USER MANUAL

HG FEEDER 100/125/160 M

HEDENSTED GRUPPEN

CONTENTS

HG FEEDER 100/125/160 M

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1 Safety regulations

Read the manual

Read the instruction manual carefully, and make sure that anyone else who may be required to operate the machine reads it as well. Dangerous situations may arise if an operator is unfamiliar with certain aspects of the machine and its use.

WARNING! Hot parts

Never touch the engine or the exhaust pipe while the machine is running, or when the engine has just been switched off.

Hot parts can cause severe burns.

WARNING! Noise

We recommend the use of ear protectors. Long-term exposure to noise will damage your hearing.

WARNING! Moving parts

Make sure to keep your hands, feet, hair and clothes away from all moving parts. Never use the machine without the protective screens, etc. supplied.

Moving parts can cause serious injuries.

WARNING! Danger

When parking and performing service on the machine, make sure to switch off the engine, remove the ignition key and apply the handbrake.

The word **WARNING!** *next to a text in the manual indicates that failure to follow the instructions may result in personal injury.*

1.1 Training

- Read these instructions carefully. You need to familiarise yourself with all operation levers, switches, etc. and with how to use the equipment correctly.
- Do not allow children or anyone who has not studied the instructions to use the feeder. National legislation may lay down a minimum age for persons permitted to use the feeder.
- Remember that the operator is responsible for any and all accidents or potentially dangerous situations that may arise involving other people and/or their property.
- Operators must be instructed thoroughly in the use of the feeder. The instructions should emphasise:

1) The need to be careful, thorough and focused when working with automotive machines.
2) That the operator must maintain a good overview of what is happening in front of and behind the vehicle – particularly during feeding, when there may be other people in the immediate area.

The most common causes of accidents are:

1) Driving too fast, particularly with a full feed container
2) Taking turns too quickly, particularly when there is feed in the container
3) Lack of overview
4) The operator lacking sufficient familiarity with the vehicle
5) Excessive incline of the terrain

1.2 Preparation

- When operating the machine, make sure not to wear loose-fitting clothing that could become caught on nesting boxes, doorways, etc. In addition, make sure to wear non-slip foot wear so that you can operate the pedals safely.
- Store fuel in containers approved for the purpose. Make sure to keep the containers out of the reach of children and unauthorised persons.
- Always refuel the machine outdoors. It is forbidden to smoke while refuelling.
- Always refuel before starting the engine. Never remove the cap from the fuel tank or attempt to refuel while the engine is hot or running.
- If you spill fuel, do not attempt to start the engine. Move the machine away from the place where you spilled the fuel so as to avoid igniting the spillage. If you spill fuel on the exhaust pipe or over the engine, wait until it has evaporated before starting the engine; otherwise there is a major risk of fire.
- If you spill diesel or motor oil on your skin, wash the area thoroughly with soap and water.
- It is hazardous to breathe in fuel or oil fumes.
- It is potentially fatal to ingest fuel or oil.

1.3 Noise and vibration levels

According to test report DANAK 100/1591 of 6 July 2012, the machine's noise level is 84 dB(A). Even though this is below the legally stipulated level, HG still recommends the use of ear protectors.

Hand/arm vibration level:	1.6 m/s^2
Body vibration level:	0.6 m/s^2

1.4 Operation

- The operator must wear a seatbelt while driving.
- If you use the machine indoors, you must make sure that the ventilation system is sufficient according to the regulations and recommendations that apply to the location.
- Do not let the engine run in small, enclosed rooms where there is a risk of hazardous carbon monoxide building up.
- **WARNING**: Breathing in carbon monoxide can cause poisoning and death.
- Never use the machine in locations where there is combustible dust or explosive gases, or where the exhaust pipe may come into contact with flammable material.
- Never place or store fuel or other flammable liquids close to the engine.
- As far as possible, only operate the feeder in daylight hours or use good artificial lighting.

- Do not rest your feet on the pedals when starting the engine – place them on the running board instead.
- Do not drive longitudinally along slopes, and never drive on slopes that exceed 15 degrees.

Machine incline: Max. 15˚

- If the machine should tip over, hold on tightly to the steering wheel with both hands.
- Remember that the driving properties of the machine are very different with an empty and a full feed container. This is because the centre of gravity of the machine is much higher when the container is full.
- Never attempt to take sharp turns at high speed when there is feed in the container.
- For the best driving experience, operate the accelerator pedal with smooth movements of the foot. Remember that the speed of the machine increases proportionally with the movement of the accelerator pedal. This applies both when driving forwards and when reversing.
- When leaving the machine unattended, remember to apply the handbrake and remove the ignition key.
- Always stop the engine before carrying out any kind of service or repair work.
- Stop the engine and allow it to cool down before refuelling.
- Never touch the engine or the exhaust pipe while the engine is running.
- The machine is intended exclusively for feeding mink.

1.5 Maintenance

Wash the machine once a week. Make sure not to spray water directly onto electrical components or into the engine compartment.

Every time you refuel the machine, perform a visual check to ensure:

- That there are no leaks in the hydraulic system (hoses, tank, etc.).
- That there are no leaks in the fuel system (hoses, filters, tank, etc.).
- That all bolts, nuts, etc. are securely tightened.
- That the silencer is tight.
- That the radiator grille at the front and by the rotating flywheel is free from wool, etc.
- That no motor oil has been spilled around the motor oil filling aperture.
- That the accelerator pedal is not activated, and that the machine remains completely still when the pedal is released.

Check the air pressure in the tyres once a week and check the motor oil once a day.

1.6 Dismantling / Disposal

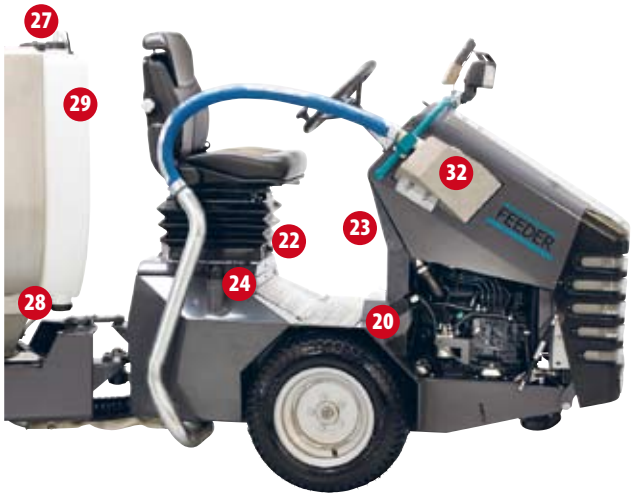
When, many years from now, the machine is worn out and has to be disposed of, HG will carry out the dismantling work by arrangement, as this work must be done in an environmentally friendly manner. During the dismantling process, the parts are sorted according to type of material. This means that steel parts are classed as steel, rubber seals as rubber, and so on. The various materials are then disposed of according to the regulations in effect at that time.

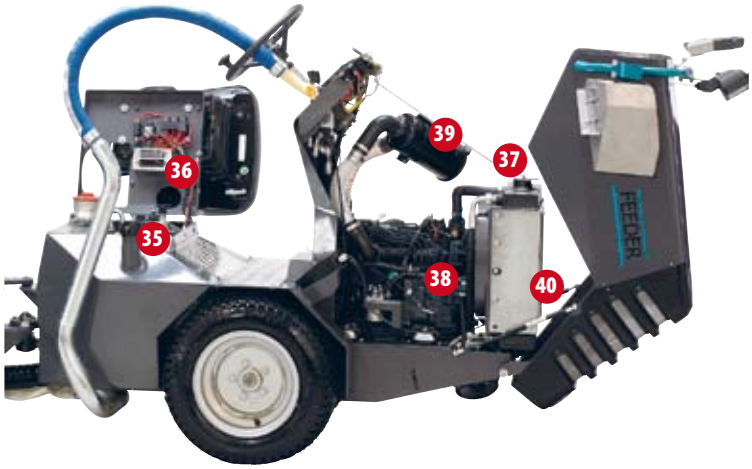
2 Description of function

Operator's panel

1 Hand-held terminal for individual feeding (optional extra)
2 Work light
3 Mixer speed
4 Mixer rotation (forward / reverse)
5 Water dosage
6 Bonnet
7 Feed pump control (manual / automatic)
8 Feed pump rotation (forward / reverse)
9 Light switch
10 Feed computer (optional extra)
11 Ignition switch
12 Throttle lever
13 Revolution and hour counter
14 Water temperature gauge
15 Indicator light – preheater
16 Indicator light – oil pressure
17 Indicator light – water temperature
18 Indicator light – battery charging
19 Hand brake

The machine's functional units





20 Feed pedal
21 Operating pedal
22 Setting the operator's seat
23 Heater
24 Filling – diesel
25 Filling – hydraulic oil
26 Hydraulic oil filter
27 Filling – water
28 Draining – water
29 Adjustment of water dosage
30 Adjustment of feed pump speed
31 Main switch
32 Drip tray
33 Seat belt
34 Emergency stop
35 Battery
36 Fuse box
37 Filling – cooling water
38 Filling – motor oil
39 Air filter
40 Combi-cooler filter
41 Tow rope attachment point

2.1 Hand-held terminal for individual feeding (optional extra)

See the section about extra equipment on page 17.

2.2 Work light

Make sure that you always have plenty of light to work by.

2.3 – 2.4 Mixer control

Use the switch on the left to select the rotation speed (high or low) for the mixer. Use the switch on the right to choose whether the mixer direction is to be forward (FWD) or reverse (REV). Turn the switches to their centre position to deactivate the mixer.

2.5 Water dosage

Use this switch to turn the water dosage on or off.

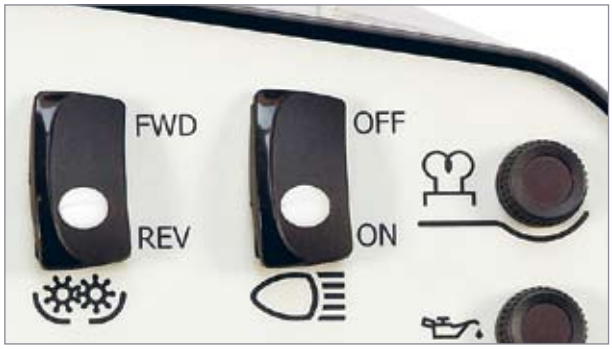
2.6 Opening the bonnet

Turn the switch to the right to deactivate the bonnet locking mechanism.

2.7 – 2.8 Feed pump control

Use the switch on the left to set feed pump control to manual (MAN) or automatic (AUTO). Use the switch on the right to choose whether the feed pump is to run forward (FWD) or reverse (REV).

2.9 Light switch



The light switch is positioned on the right-hand side of the operator's panel.

2.10 Feed computer (optional extra)

You can use a feed computer to ensure a uniform volume of feed. See the section about extra equipment on page 17.

2.11 Ignition switch

The ignition switch features four positions:

0. Stop
1. Ignition
2. Preheat
3. Start

2.12 Throttle level

The throttle lever is positioned to the right of the ignition switch.

2.13 Revolution and hour counter

The hour counter (bottom centre) indicates how many hours the machine has run. Please note that it will continue to count as long as the machine is switched on. Therefore, remember to switch off the ignition and remove the key when you leave the machine.

If the hour counter breaks, make sure to have it repaired immediately. Otherwise, it will be impossible to keep track of when to change the oil, etc.

2.14 Water temperature gauge

NB Watch the temperature gauge to monitor the water temperature. If the warning light next to the gauge lights up, you must stop the machine immediately.

2.15 – 2.18 Indicator lights

To the far right on the operator's panel, there are four indicator lights with the following functions:

1) **Preheater light** – must switch off before you start the engine

2) **Oil indicator light** must switch off approx. 2 seconds after you start the engine. If it does not, turn the engine off immediately.

3) **Temperature warning light** – lights up if the engine overheats. If this indicator light illuminates, turn the engine off immediately.

4) **Charging indicator** – lights up during operation if the battery is not charging.

2.19 Hand brake

Always apply the handbrake before leaving the machine.

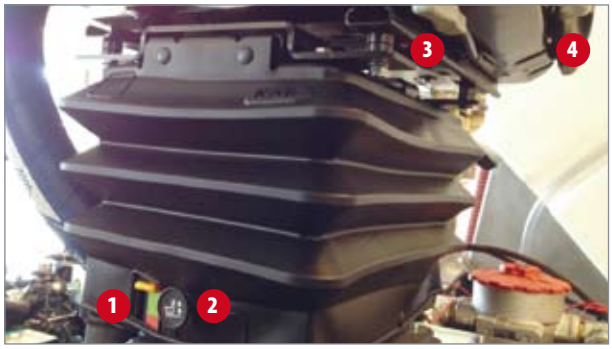
2.20 Feed pedal

The feed pedal is located on the right-hand side of the machine. Activate the pedal every time you want to pump feed out.

2.21 Operating pedal

The operating pedal is located on the left-hand side of the machine. **NB:** Activate this pedal carefully, as the speed of the machine increases proportionally to the degree the pedal is depressed. This means that the further you press the pedal down, the faster the machine will move. For the best driving experience, operate the pedal with smooth movements.

2.22 Setting the operator's seat

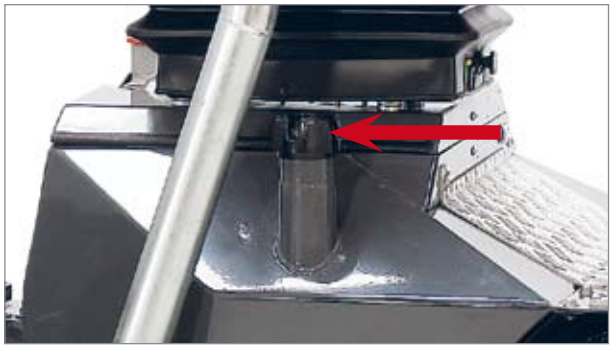


1) Indication of correct setting
   When the yellow mark is in the green area, the seat has been adjusted correctly in relation to the operator's weight.
2) Hardness setting
3) Seat cushion setting
4) Backrest setting

2.23 Heater

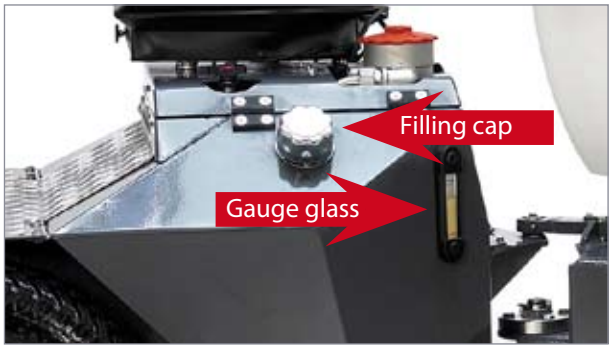
The heater is located below the operator's panel. To activate it, loosen the star handle and turn the disc.

2.24 Filling – diesel



The fuel cap is positioned to the right of the operator's seat. Always check the tank to make sure there is sufficient diesel in it.

2.25 Filling – hydraulic oil



The hydraulic oil tank is positioned to the left of the operator's seat. Use the gauge glass to check the oil level visually.

2.26 Hydraulic oil filter

The hydraulic oil filter is positioned behind the operator's seat.

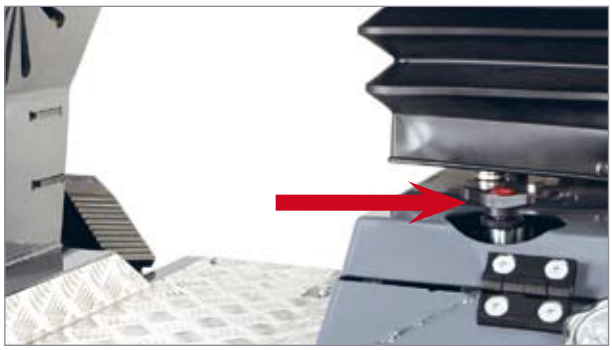
2.27–28 Filling / Draining – water

To fill water into the machine, pour it into the top of the water tank in front of the feed container. The drain valve is located on the bottom right-hand side of the water tank. **Please note** that the container volume indication is approximate.

2.29 Adjustment of water dosage

You can adjust the volume of water that is mixed with the feed when the feed pump is activated. The dosage adjuster is located on the centre of the water tank. Turn the tap to regulate the water volume. Clockwise: less water; anti-clockwise: more water.

2.30 Adjustment of feed pump speed

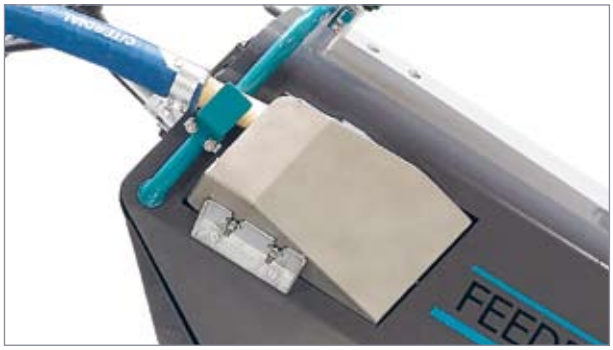


You can regulate the circulation speed of the feed pump so that more or less feed is supplied during a given period. The regulator is positioned to the left of the operator's seat.

2.31 Main switch

The main switch is located behind the tractor on the left-hand side.

2.32 Drip tray



The drip tray for feed is located on the right-hand side of the bonnet.

2.34 Emergency stop

An emergency stop button is fitted on the back of the feed tank. To reset the system, pull the red button out. Then check that the bottom indicator is green and that the top line is between the arrows.

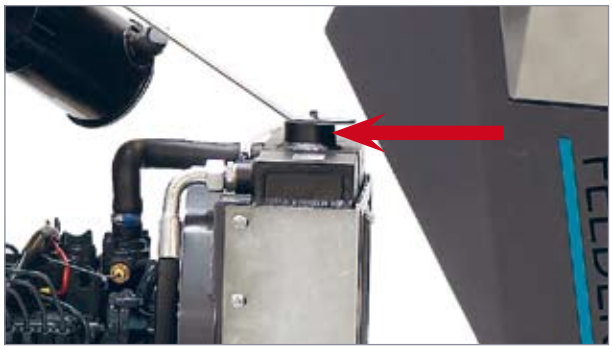
2.35 Battery

The battery is located under the operator's seat. Always keep the top of the battery clean, otherwise there is a risk that it will discharge.

2.36 Fuse box

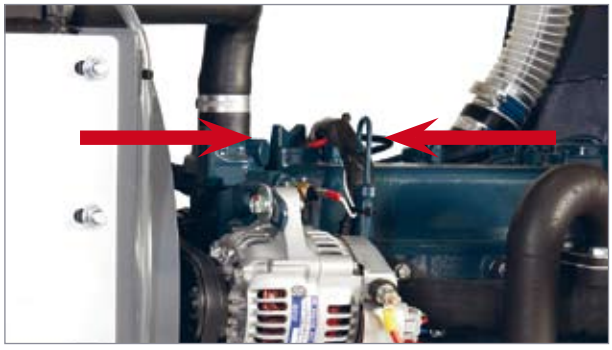
The fuse box is located under the operator's seat. Never use fuses larger than those originally fitted in the machine. When replacing fuses, see the electrical diagrams on pages 24–25.

2.37 Filling – cooling water



The radiator is located under the bonnet. **Please note** that the engine must be cold before you remove the radiator cap to refill with coolant. If the engine is hot, there is a risk of scalding.

2.38 Filling – motor oil



Check the motor oil level daily. To do this, use the dipstick located next to the oil filler cap.

2.39 Air filter

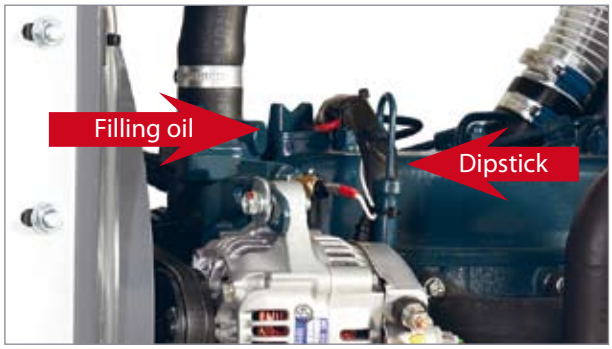
The air filter is also located under the bonnet. To replace the filter, remove the end cap and pull the insert out.

2.40 Combi-cooler filter

The particle filter for the combi-cooler is located on the front of the machine. Open the bonnet and remove the filter when it is time to blow it clean.

3 Precautions

3.1 Oil level, engine

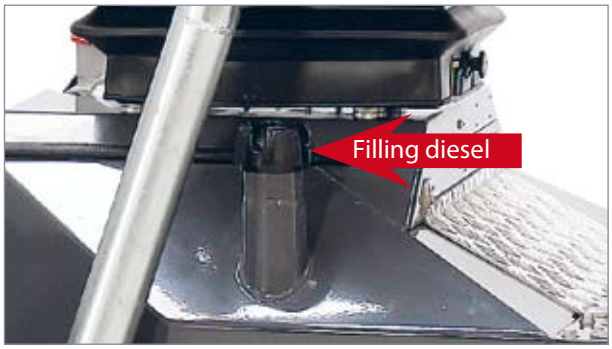


Every time you use the machine, check the oil level in the engine before starting it. Make sure the machine is standing on a level surface when you check the oil level. Pull the dipstick out and wipe it clean with a cloth. Replace it, remove it again and read the level. If the oil level is below or just over the minimum line, refill with oil up to the maximum line.

3.2 Oil level, hydraulic

Use the gauge glass to the right of the filler cap to check the level of hydraulic oil.

3.3 Fuel, filling



Use standard diesel oil for Feeder 100/125/160 M. Look in the tank to check the volume of fuel it contains. Diesel oil is normally frost proof to temperatures as low as –21˚C. In sharp frosts, however, paraffin may form in diesel oil. To prevent this happening, you can add petroleum according to the following table:

In temperatures below	Add
–10˚C	10% petroleum
–20˚C	25% petroleum
–30˚C	40% petroleum
–40˚C	55% petroleum

To be absolutely sure of the antifreeze level, we recommend that you ask your supplier for specifications for precisely the type of diesel you use.

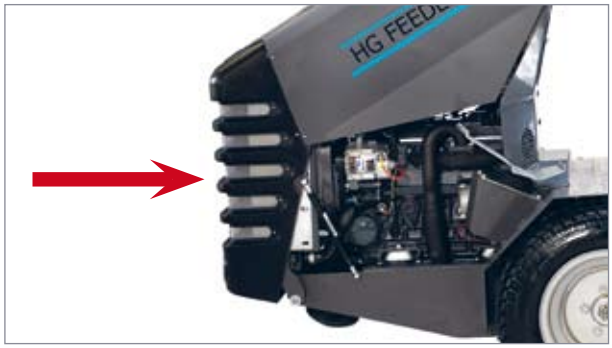
WARNING

- Fuel is highly flammable.
  Be very careful, and always refuel outdoors.
- Newer smoke while refuelling.
- Newer refuel a hot engine. Wait at least 10 minutes for the engine to cool down.
- Do not overfill the tank as fuel can expand and spill over. Make sure that the cap is securely tightened after refuelling.
- Store fuel in a cool place, using containers designed for the purpose.
- Regularly check the fuel tank and hoses for leaks.

3.4 Air filter

Make sure to keep the air filter clean. A dirty or clogged air filter will reduce the output of the engine, increase fuel consumption and cause more wear and tear to the engine.

3.5 Radiator grille/combi-cooler



IMOPRTANT! You must keep the radiator clean because it functions as the air intake for cooling the engine. A fully or partially clogged grille will cause the engine temperature to rise, increasing the risk of engine problems/breakdown.

You can remove the particle filter in the radiator grille. Open the bonnet and remove the filter when it is time to blow it clean.

3.6 Tyre pressure

Check that the tyre pressure is correct. Incorrect tyre pressure can make the machine unstable and have an unpredictable effect on its manoeuvrability.

Lawn tyres (standard) no. 474746	
Max.	65 PSI
Pressure	4.48 bar

Tractor tyres are available as an optional extra.

Tractor tyres no. 474760	
Max.	67 PSI
Pressure	4.6 bar

4 Driving/feeding

4.1 Starting

Move the throttle lever to its top position. Turn the ignition key until the control lights illuminate. Check that they all light up. Now turn the key to the next position and hold it there until the preheater indicator light goes out. Then turn the key all the way to the final position and the engine will start.

WARNING

- The preheating should take no more than 10 seconds. If it takes longer than this, the preheater and the adjoining components may be damaged.
- Do not repeat preheating if the engine does not start first time.

4.2 Driving

Place both hands on the wheel and position your feet as far to the sides as possible. Open the throttle until you reach the desired number of revolutions. Then carefully press the accelerator pedal on the far left. The smoother the movements of your foot, the smoother the drive. We recommend that you do not drive the machine on soft land or on terrain approaching an incline of 15°.

WARNING

- Make sure that your feet and legs do not stick out so far from the machine that you risk bumping them against – or getting them caught on – cages, doorways, etc.
- You must only activate the pedals with your feet when sitting in the operator's seat – never activate them with your hands or while standing up.

Make sure not to take corners quickly, especially with a full feed container. If you do so, the machine can easily tip over as its centre of gravity is very high when the feed container is full.

We also recommend that you avoid driving the machine on terrain approaching an incline of 15°. Here, too, the machine will tip over very easily.

4.3 Feeding

Start by setting the feed pump speed and the water dosage (see page 12). You will normally only need to do this more than once if the consistency/water content of the feed varies.

Press the feed pedal on the far right once for each portion of feed you are to distribute.

When distributing feed, make sure to concentrate on the task at hand and maintain a good overview. Take care not to come too close to the fittings and furnishings. A lapse of concentration can easily result in the machine damaging cages, nesting boxes, etc.

4.4 Stop

Throttle back to neutral and let the machine run for a few minutes to allow the engine temperature to fall to normal operating temperature before you stop it. This will help extend the service life of the engine.

4.5 Parking

Always park on level ground and remember to activate the handbrake and remove the ignition key.

4.6 **Feed computer for individual feeding** (optional extra)

If you fit a feed computer you can, for example, set the machine to distribute 200 g of feed in each portion. The computer can do much more besides.

For instance, it can take the strain off your ankle as you only need to keep the feed pedal depressed rather than having to activate it for each portion of feed.

If you have a hand-held terminal for individual feeding, you can use it to read a barcode placed on each cage to define how much feed each animal is to receive.

This helps ensure that the animals receive the maximum amount of feed every day so you can make full use of their growth potential. It will also help you save around 2 hours a day during the growth period if you have a stock of 3,000 females.

5 Maintenance

5.1 Maintenance schedule

Activity		For every xx hours of operation						
		5	25	100	200	500	2500	5000
Check	Hydraulic oil level and leaks	●						
	Motor oil level	●						
	Water pump			●				
	Oil indicator light			●				
	Acid level in accumulator			●				
	Fan belt tightness			●				
	Engine rack			●				
	Coolant		●					
	Exhaust	●						
	Pre-filter in air filter box (sponge)	●						
	Air filter	●						
	Air intake and radiator grille	●						
Adjust	Neutral position			●				
	Brake cable			●				
	Throttle cable			●				
Lubricate	Feed pump		●					
	Mixer screw			●				
	Brake axles			●				
	Cables			●				
	Steering gear			●				
Tighten	Various bolts			●				
	Wheel hubs			●				
	Engine rack			●				
Clean	Air filter			●				
	Fuel tank			●				
	Radiator fins and air intake			●				
	Filter on front of radiator		●					
Replace	Motor oil *)		**First**		●			
	Hydraulic oil *)		**First**			●		
	Air filter				●			
	Hydraulic oil filter		**First**			●		
	Fuel filter				●			
	Motor oil filter		**First**		●			
Engine overhaul	Belts					●		
	Partial						●	
	Complete							●

First = Replace when the machine hour counter has reached 25 hours.
*) = Replace at least once a year

Check components according to the supplier's recommendations. Hedensted Gruppen stipulates that an authorised service technician must perform a major service on the machine after every 500 hours of operation or at least once a year. All maintenance must be performed by a trained mechanic, farmer or similar.

5.2 Changing the motor oil and oil filter

We recommend that HG performs this task.

Motor oil

Place a suitable container under the engine with sufficient capacity to hold the 4.5 litres or so of oil you drain from the engine. Remove the drain plug. Once the oil has drained, replace the drain plug and refill with clean oil.

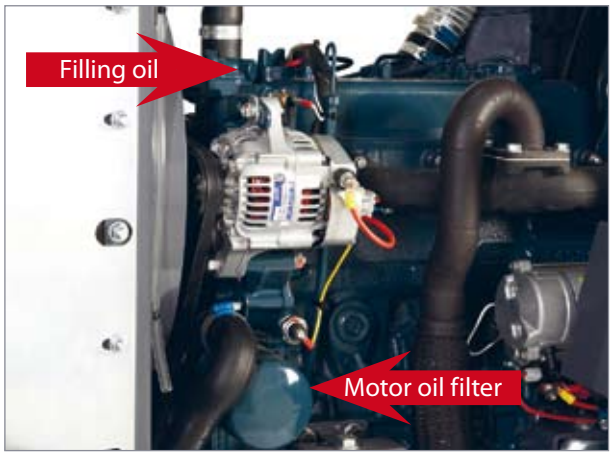
- Every time you unscrew the drain plug, you will need to replace the drain plug seal.

WARNING

- The motor oil can be very hot, so take care!

Oil filter

Remove the old oil filter and replace it with a new one.



Make sure that the area around the oil cap is clean before you remove it.

5.3 Changing the hydraulic oil and the hydraulic oil filter

We recommend that HG performs this task.

Hydraulic oil

Place a suitable container under the hydraulic oil tank and remove the drain plug. Please note that a large volume of oil will be released. Replace the drain plug once all the oil has drained out. Refill with clean hydraulic oil (volume: see the specifications on page 26).

WARNING

- The hydraulic oil can be very hot, so take care!

Hydraulic oil filter

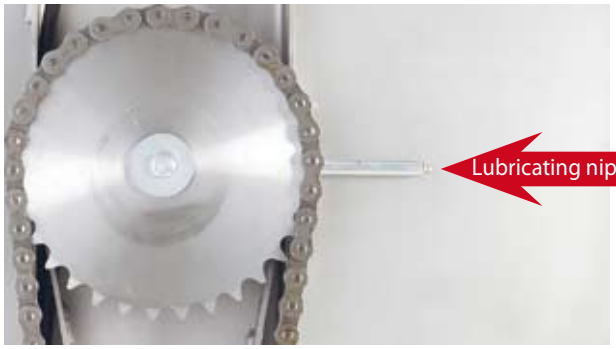
Unscrew the filter cap, remove the filter and replace it with a new one.

Make sure that the filter cap and the surrounding area are clean before you remove it.

5.4 Replacing/cleaning the air filter

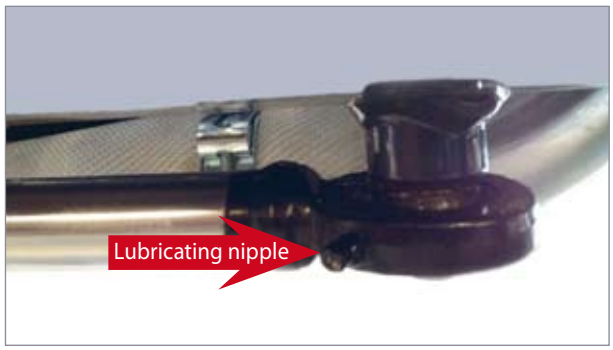
When it is time to clean or replace the air filter, remove the screw from the end of the filter housing and then pull the filter out. Tap it gently on the floor to remove the loose dirt.

Mixer chain



Use chain oil or grease to lubricate the chain that powers the mixer. Here, too, you will find a lubricating nipple.

Steering cylinder

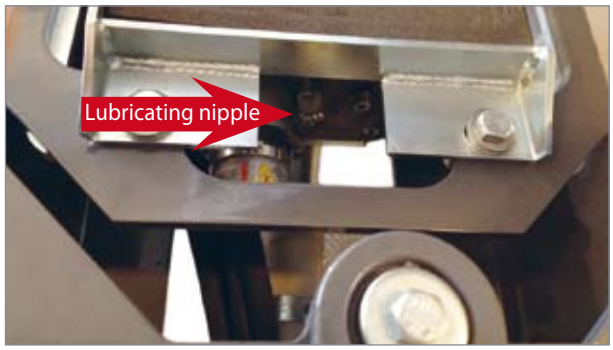


5.5 Lubrication

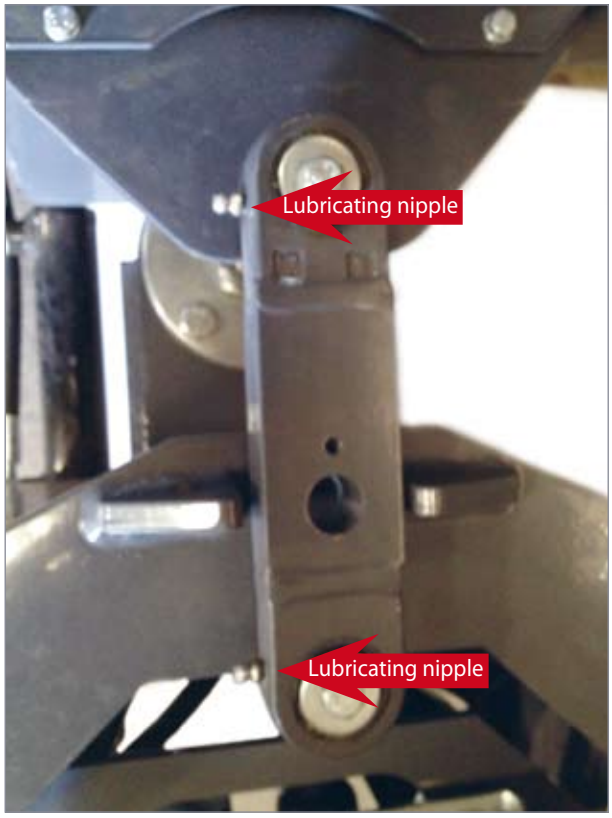
You can use standard high pressure grease for lubrication. Lubricating nipples are located:

- On the front and back steering cylinders
- In the feed pump
- In each steering joint between tractor and trailer
- At both ends of the mixer
- On the brake axle behind the front wheels

Feed pump

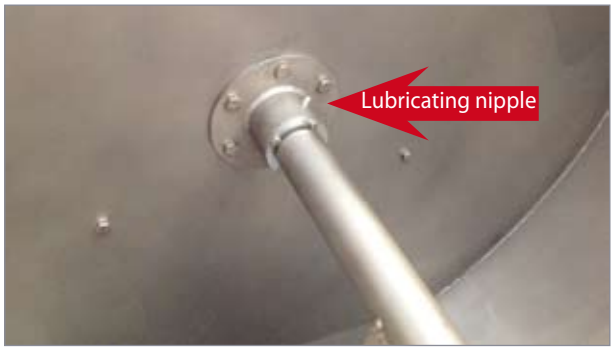


Steering joint between tractor and trailer



Brake axle

Mixer



5.6 Cleaning the combi-cooler

The radiator grille on the front of the machine must be kept clean of wool and dirt. Lift the filter up and clean it. Remove any dirt from the water and oil cooler.

DO NOT clean with a water hose or compressed air as this may damage the engine.

WARNING

- Turn off the engine and remove the ignition key before starting the cleaning work.

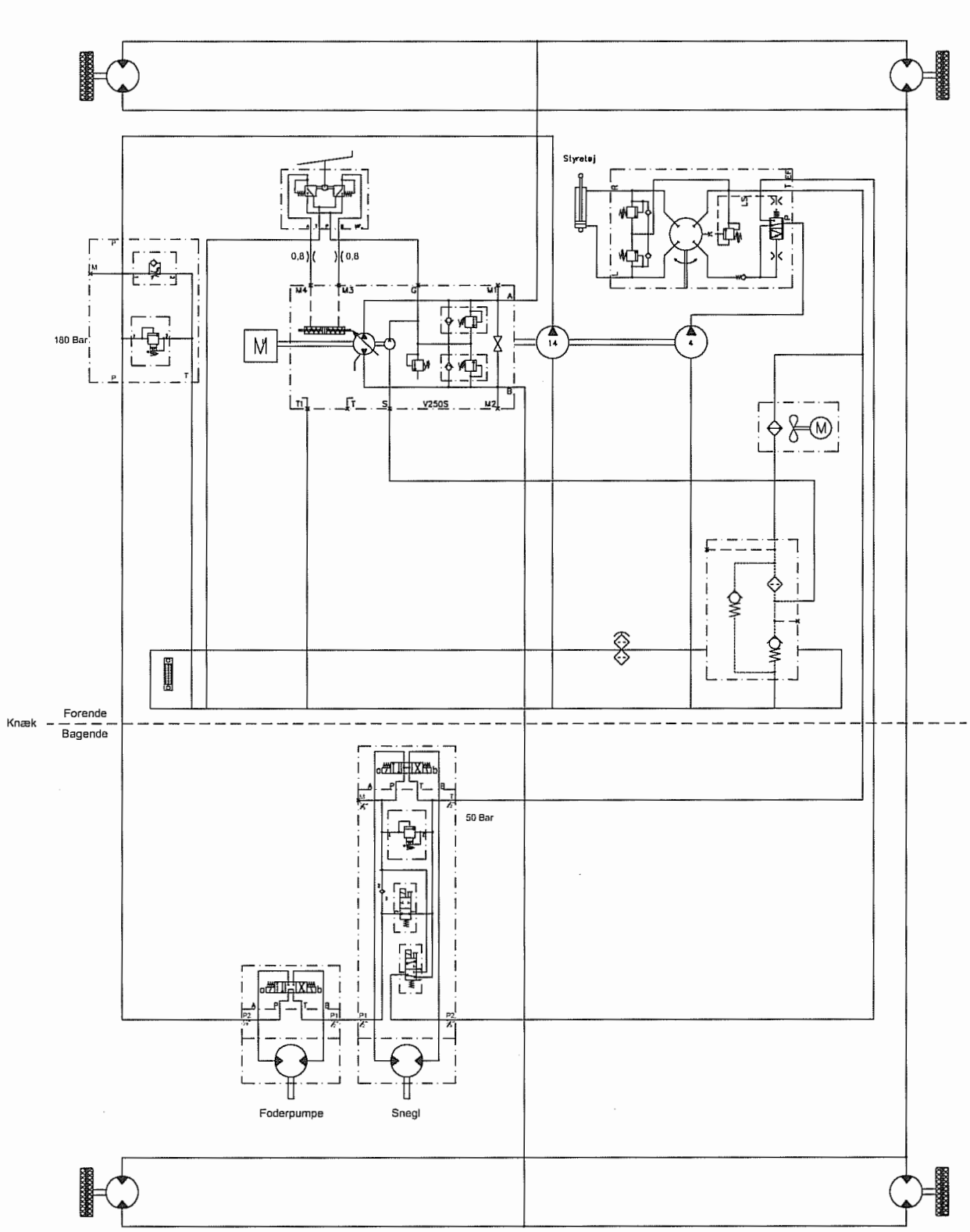
5.7 Protectors

It is only permitted to remove any of the protectors on the machine in connection with repairs or service procedures.

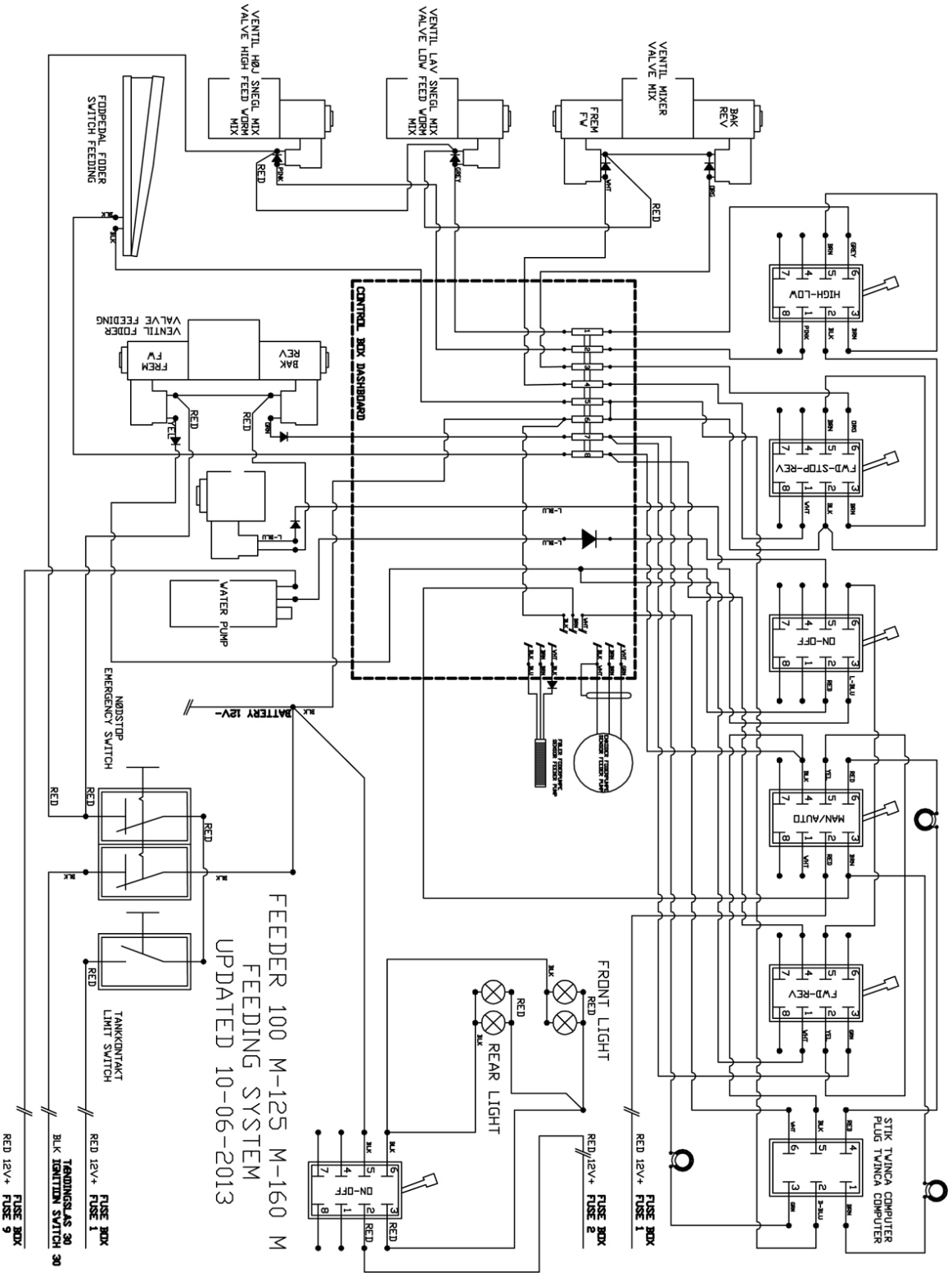
6 FAQ

Problem	Possible cause	
The engine does not start	● Incorrect fuel ● Air in the fuel pump	● Empty fuel tank ● Excessive piston clearance ● Blocked ventilation in filler cap
The engine starts but then stops	● Blocked air filter ● Air in the fuel pump ● Blocked fuel filter	● Defective or blocked fuel supply ● Blocked valve in fuel tank ● Burned out exhaust valve
No power from the engine	● Blocked air filter ● Blocked fuel filter ● Worn cylinder	● Worn piston rings ● Defective or blocked fuel supply ● Burned out exhaust valve
Low oil pressure in the engine	● Blocked lubrication circuit ● Worn oil pump	● Defective oil pressure valve ● Defective main bearing
Engine blocked	● Main bearing burned out or defective	● Pistons burned out ● Hydraulic pump blocked
Engine produces blue exhaust (diesel)	● Worn valve guide ● Worn cylinder	● Too much oil in crankcase ● Worn piston rings
Engine produces white exhaust (diesel)	● Excessive piston clearance	● Incorrect injection timing
Engine produces black exhaust (diesel)	● Overload	● Injection error
Engine knock in the crankcase	● Small or big end bearings burned out or defective	
Engine knock in the tappet	● Incorrect fuel ● Insufficient piston clearance	● Incorrect injection timing ● Worn piston rings
Engine consumes a lot of oil	● Worn valves ● Worn cylinder ● Leaky oil seals	● Too much oil in crankcase ● Worn piston rings
Motor oil level rises	● Excessive piston clearance	● Defective injection system
Engine losing oil	● Blocked breather pipe	● Defective injection system
Engine overheats	● Insufficient piston clearance ● Blocked radiator fins ● Incorrect injection timing	● Defective injection system ● Overloaded engine
Engine misfires	● Incorrect fuel ● Cold engine ● Blocked radiator fins	● False air via the injection pump ● Defective injection system
Poor acceleration	● Incorrect fuel	● False air via the injection pump

7 Hydraulic diagram



7 Electric circuit diagram

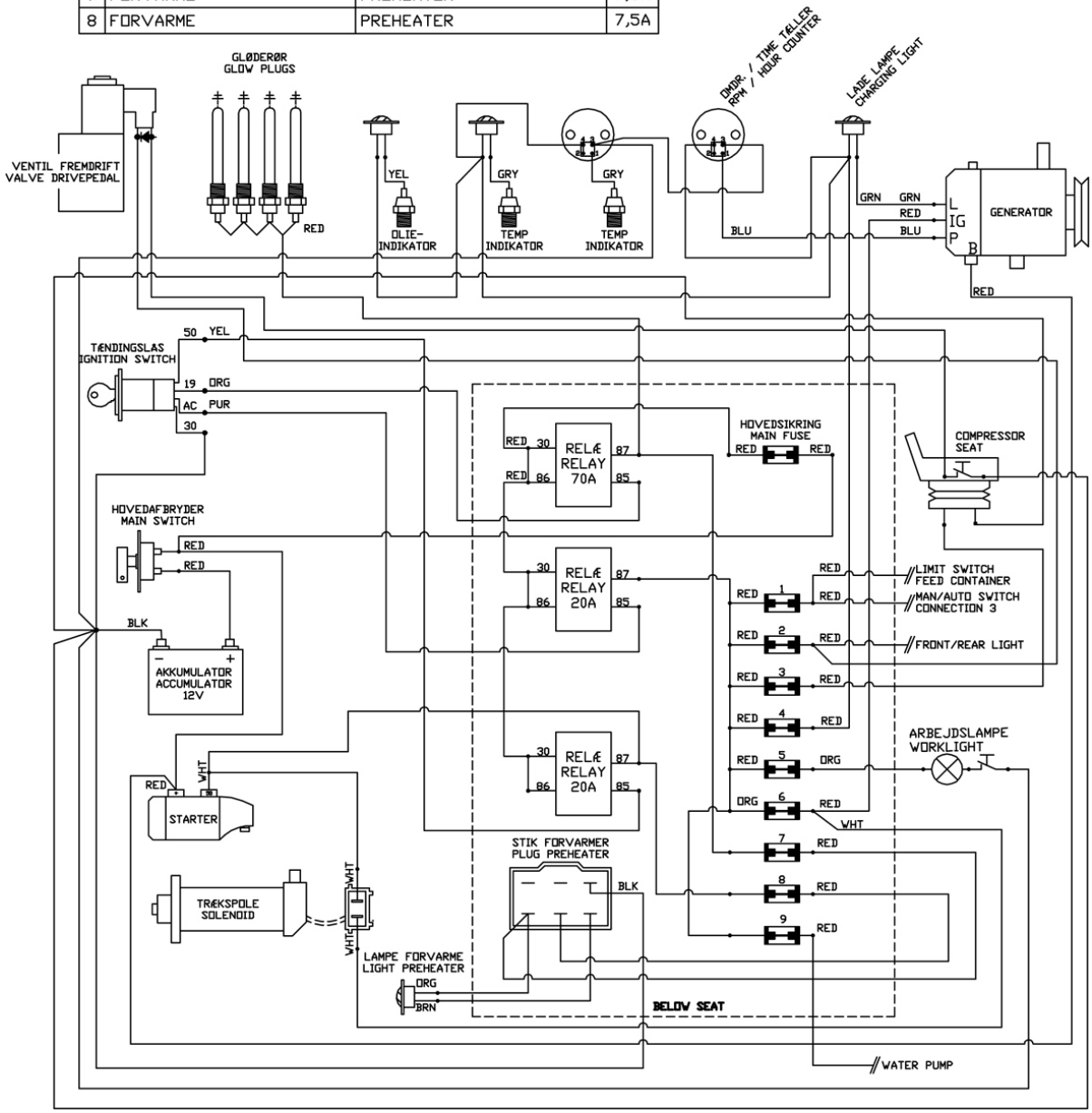


7 Electric circuit diagram

SIKRINGER / FUSES			
NR	BESKRIVELSE	DISCRIPTION	A
	HOVEDSIKRING	MAIN FUSE	80A
1	FODERSYSTEM	FEEDING SYSTEM	15A
2	LYS FOR/BAG	LIGHT FRONT/REAR	7,5A
3	KOMPRESSOR SÆDE	COMPRESSOR SEAT	15A
4	KONTROLLAMPER	KONTROLLAMPER	7,5A
5	ARBEJDSLAMPE	WORKLIGHT	15A
6	TRÆKSPOLE-GENERATOR	SOLENOID - GENERATOR	7,5A
7	FORVARME	PREHEATER	7,5A
8	FORVARME	PREHEATER	7,5A

FARVEKODER - COLORCODES.
BLK - SORT / BLACK
BLU - BLÅ / BLUE
BRN - BRUN / BROWN
GRN - GRØN / GREEN
GRY - GRÅ / GRAY
ORG - ORANGE
PNK - LYSERØD / PINK
PPL - LILLA / PURPLE
RED - RØD / RED
WHT - HVID / WHITE
YEL - GUL / YELLOW

FEEDER 100M/125M/160M
UPDATED 23-04-2013



8 Technical data

8.1 HG Feeder 100/125/160 M

Dimensions and weight	Feeder 100 M	Feeder 125 M	Feeder 160 M
Width	90 cm	90 cm	90 cm
Length	360 cm	390 cm	430 cm
Height	156 cm	156 cm	161 cm
Net weight	1,050 kg	1,150 kg	1,350 kg

Engine	Feeder 100 M	Feeder 125 M	Feeder 160 M
Kubota V1305	34 hp (26 kW)	34 hp (26 kW)	34 hp (26 kW)
Capacity	1,335 cm^3	1,335 cm^3	1,335 cm^3
Bore x stroke	76 x 73.6 mm	76 x 73.6 mm	76 x 73.6 mm

Miscellaneous fluids	Feeder 100 M	Feeder 125 M	Feeder 160 M
Motor oil	Q8 7520 15W-40 (or better)	Q8 7520 15W-40 (or better)	Q8 7520 15W-40 (or better)
Hydraulic oil	Q8 Handel 46	Q8 Handel 46	Q8 Handel 46
Fuel	Diesel	Diesel	Diesel

Tanks and containers	Feeder 100 M	Feeder 125 M	Feeder 160 M
Feed tank	1,000 litres	1,250 litres	1,600 litres
Water tank	85 litres	85 litres	85 litres
Diesel tank	29 litres	29 litres	29 litres
Hydraulic tank	35 litres	35 litres	35 litres

Wheel dim. / tyre pressure	Feeder 100 M	Feeder 125 M	Feeder 160 M
Wheel dimensions	23 x 8.50-12	23 x 8.50-12	23 x 8.50-12
Tyre pressure	65 PSI	65 PSI	65 PSI

Steering gear	Feeder 100 M	Feeder 125 M	Feeder 160 M
Steering	Servo	Servo	Servo
Turn diameter (circumscribed circle)	5.7 metres	6.3 metres	6.6 metres

9 Warranty conditions

Warranty period

Hedensted Gruppen provides a 12-month warranty (max. 1,000 operating hours) as from the date of delivery.

The warranty covers

- Components that have to be repaired or replaced on account of material defect or manufacturing error.

The warranty does not cover wearing parts and consumables such as:

- Feed pumps, tyres, light bulbs, filters, oil and so on.

The manufacturer's warranty shall be terminated in the event that

- The machine is used incorrectly.
- The machine is used without the operator complying with the information in the instruction manual and safety regulations.
- The timings in the service schedule are not observed, or if obsolete parts such as filters are used.
- The machine is used after a fault or defect has been identified, and the resulting repair is more expensive than the cost of repairing the original fault.

The owner's own insurance should cover:

- Fire, break-in, theft and vandalism
- Water and frost damage
- Corrosion damage caused by battery acid
- Damage caused by the weather

These are not covered by the manufacturer's warranty.

Approval of claims for compensation

Approval from the manufacturer of claims for compensation is conditional upon the defective part(s) being presented to the manufacturer or the manufacturer's representative within two (2) weeks of the damage being identified. The right of ownership to the damaged part(s) shall be transferred to the supplier of the new part(s).

Only components can be replaced under the warranty, which therefore does not cover

- Freight costs.
- Costs in connection with waiting time, the machine owner's working hours and travel expenses.
- Loss of earnings and other consequential expenses.

Other information

Before repairs under warranty, the manufacturer must be contacted to agree on the procedure. If the repair work has been initiated or completed, the cost of same cannot be claimed against the warranty.

The present warranty conditions can only be amended through a separate agreement.

WARRANTY CERTIFICATE

Version _____

Type/Chassis no. _____

Model/year _____

Delivery date _____

Seller/fitter _____

Company _____

Address _____

Signature _____

First owner _____

Address _____

Telephone no. _____

Second owner _____

Address _____

Telephone no. _____

Special conditions _____

_____

_____

_____

The warranty certificate is to be filled in by an HG fitter no later than in connection with the first service (50 hours).

10 Service documentation

Service no. 1

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 2

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 3

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 4

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 5

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 6

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

10 Service dokumentation

Service no. 7

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 8

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 9

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 10

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 11

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

Service no. 12

Service completed

Number of hours _____

Date _____

Work order no. _____

SIGNATURE

11 Spare parts list and appendice

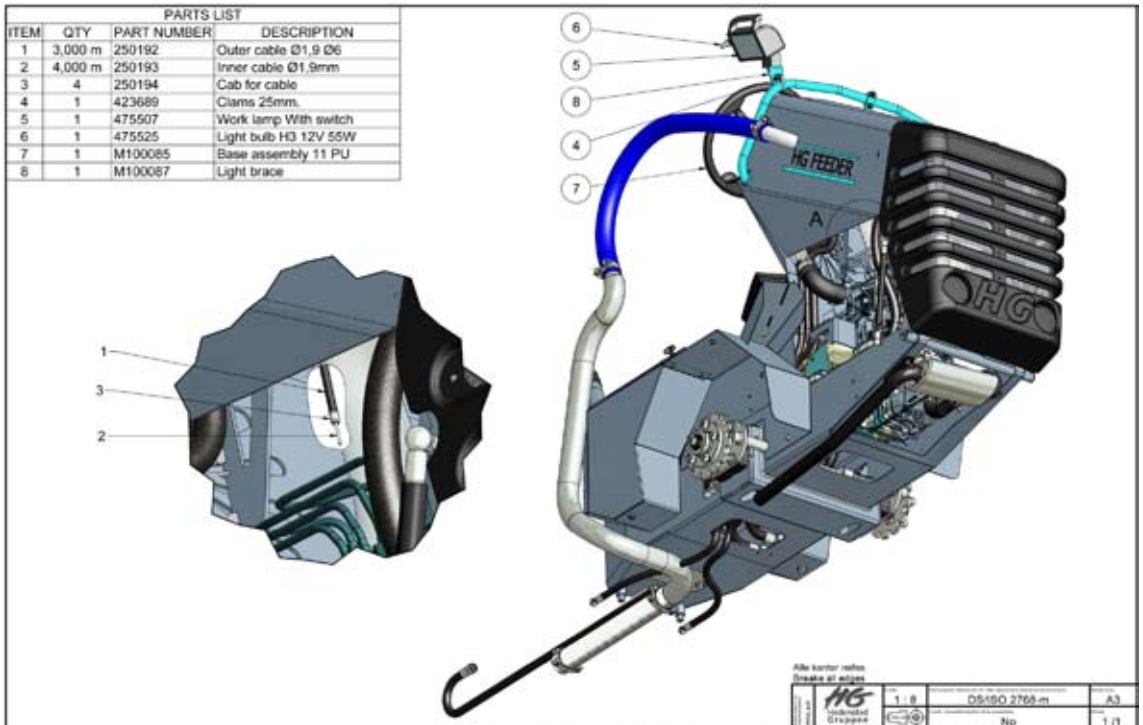
11.1 Commonly used parts

Item no.	Feeder 100/125/160 M
474760	Tractor tyres (only Feeder 100/125 M)
474746	Lawn tyres (only Feeder 100/125 M)
476710	Motor oil, 20 litre container
476722	Hydraulic oil, 20 litre container
424533	Filter insert for hydraulic oil
468025	Air filter insert
468030	Motor oil filter
468035	Fuel filter
468040	Fan belt
475507	Work light

11.2 Spare parts appendice: Feeder 100/125/160 M

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	3,000 m	250192	Outer cable Ø1,9 Ø6
2	4,000 m	250193	Inner cable Ø1,9mm
3	4	250194	Cab for cable
4	1	423689	Clams 25mm.
5	1	475507	Work lamp With switch
6	1	475525	Light bulb H3 12V 55W
7	1	M100085	Base assembly 11 PU
8	1	M100087	Light brace



REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12-2011	KC
B	Part List updated	19-06-2013	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

Hedensted Gruppen | 1 : 8 | DS/ISO 2768-m | A3 | No | 1 /1

250076

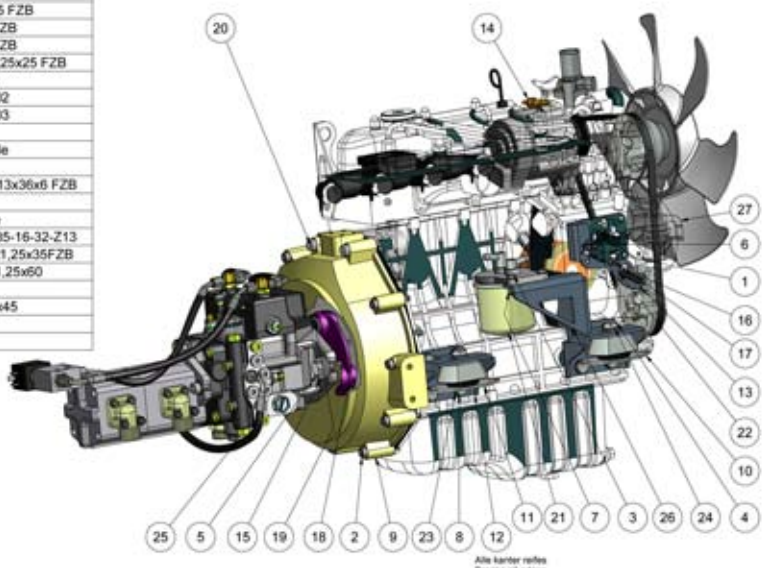
Pulling unit

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	10205010	Bolt unbraco cyl.5x10 FZB
2	9	10208055	Bolt Unbrako cyl 8x55 FZB
3	2	11408025	Hexagon bolt M8x25 FZB
4	4	11412025	Hexagon bolt M12x25 FZB
5	2	11412035	Hexagon bolt M12x35 FZB
6	1	17905000	Self-locking nut M5 FZB
7	2	17908000	Self-locking nut M8 FZB
8	16	21010525	Hexagon bolt m10x1,25x25 FZB
9	1	250092	Centa clutch housing
10	2	250102	Cushyfloat 17-1600-02
11	2	250103	Cushyfloat 17-1600-03
12	4	250122	Ingine support
13	1	250132	Plate for Throttle cable
14	1	250190	Heat sensor AMA
15	2	4212000	Washe type TBRSB 13x36x6 FZB
16	1	423419	Cable clamp
17	1	423802	Nipple for inner cable
18	1	425016	Clutch centa CFKE085-16-32-Z13
19	3	430230	Bolt Unbrako Cyl 10x1,25x35FZB
20	2	430231	Bolt unbraco cyl 10x1,25x60
21	1	468020	Fuel-Kit nr 184
22	1	50621045	Extension spring 1-9x45
23	16	82110000	Washer M10 FZB
24	4	82112000	Washer M12 FZB

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
25	1	M100052	Pump assembly for PU
26	1	M100105	Brace for fuel kit
27	1	M100109	Kubota 1505



REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12-2011	KC
B	Part List updated	11-06-2013	KC

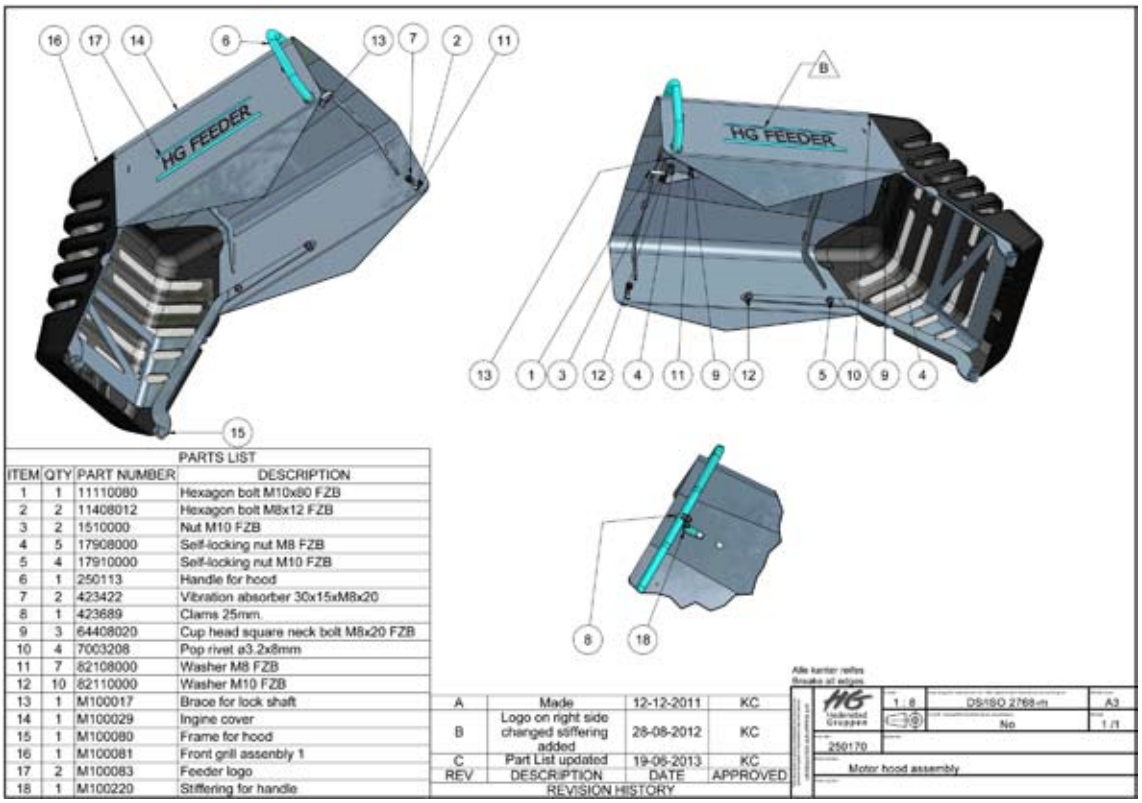
REVISION HISTORY

Alle kanter rettes
Breake all edges

Hedensted Gruppen | 1 : 4 | DS/ISO 2768-m | A3 | No | 1 /1

250127

Motor assembly

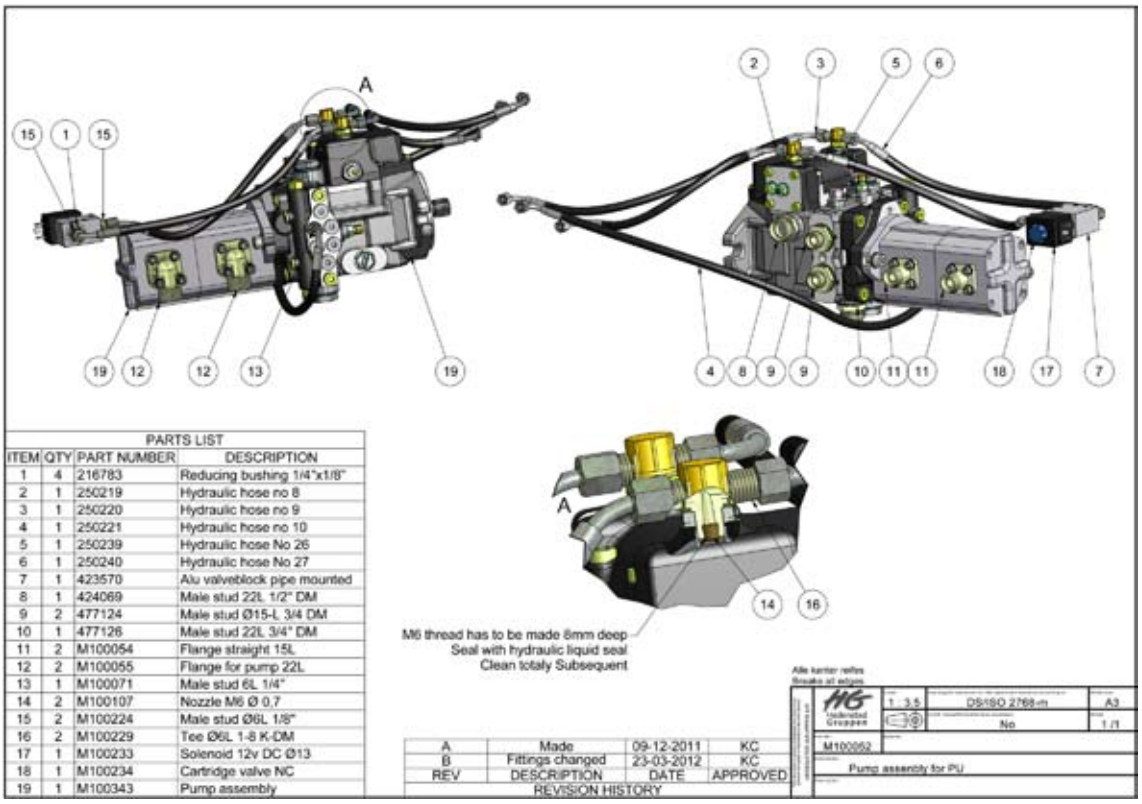


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11110080	Hexagon bolt M10x80 FZB
2	2	11408012	Hexagon bolt M8x12 FZB
3	2	1510000	Nut M10 FZB
4	5	17908000	Self-locking nut M8 FZB
5	4	17910000	Self-locking nut M10 FZB
6	1	250113	Handle for hood
7	2	423422	Vibration absorber 30x15xM8x20
8	1	423689	Clams 25mm.
9	3	64408020	Cup head square neck bolt M8x20 FZB
10	4	7003208	Pop rivet ø3.2x8mm
11	7	82108000	Washer M8 FZB
12	10	82110000	Washer M10 FZB
13	1	M100017	Brace for lock shaft
14	1	M100029	Ingine cover
15	1	M100080	Frame for hood
16	1	M100081	Front grill assenbly 1
17	2	M100083	Feeder logo
18	1	M100220	Stiffening for handle

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12-2011	KC
B	Logo on right side changed stiffering added	28-08-2012	KC
C	Part List updated	19-06-2013	KC

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
250170			
Motor hood assembly			



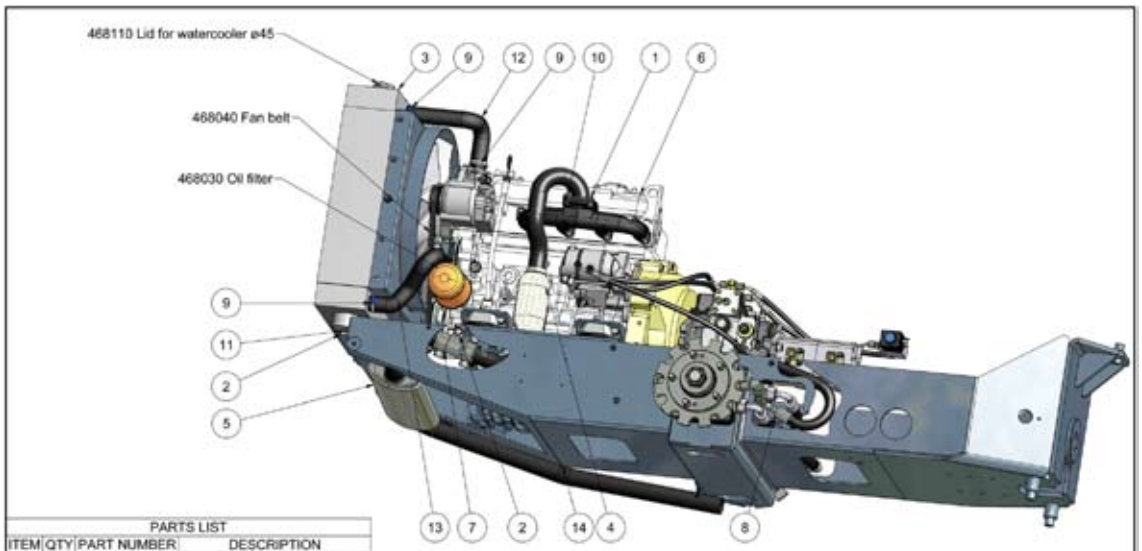
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	216783	Reducing bushing 1/4"x1/8"
2	1	250219	Hydraulic hose no 8
3	1	250220	Hydraulic hose no 9
4	1	250221	Hydraulic hose no 10
5	1	250239	Hydraulic hose No 26
6	1	250240	Hydraulic hose No 27
7	1	423570	Alu valveblock pipe mounted
8	1	424069	Male stud 22L 1/2" DM
9	2	477124	Male stud Ø15-L 3/4 DM
10	1	477126	Male stud 22L 3/4" DM
11	2	M100054	Flange straight 15L
12	2	M100055	Flange for pump 22L
13	1	M100071	Male stud 6L 1/4"
14	2	M100107	Nozzle M6 Ø 0,7
15	2	M100224	Male stud Ø6L 1/8"
16	2	M100229	Tee Ø6L 1-8 K-DM
17	1	M100233	Solenoid 12v DC Ø13
18	1	M100234	Cartridge valve NC
19	1	M100343	Pump assembly

M6 thread has to be made 8mm deep
Seal with hydraulic liquid seal
Clean totaly Subsequent

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC
B	Fittings changed	23-03-2012	KC

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 3,5	DS/ISO 2768-m	A3
		No	1 /1
M100052			
Pump assembly for PU			

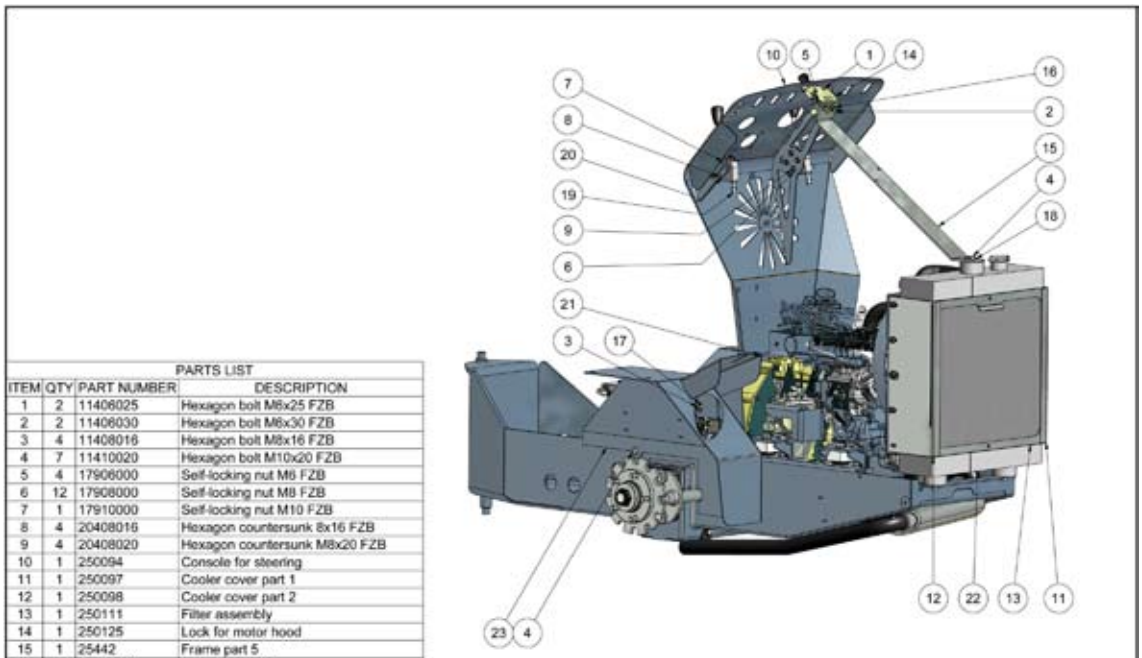


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	11408020	Hexagon bolt M8x20 FZB
2	10	11410020	Hexagon bolt M10x20 FZB
3	1	250099	Cooler unit
4	1	250104	Exhaust assembly 1
5	1	250105	Exhaust assembly 2
6	1	250127	Motor assembly
7	1	250131	Pipe connector Ø38
8	1	250229	Hydraulic hose no 18
9	4	474010	Hose clamp 25-35
10	6	82108000	Washer M8 FZB
11	2	82110000	Washer M10 FZB
12	1	M100033	Upper cooling hose
13	1	M100034	Lower cooling hose
14	1	M100046	Base assembly 1 PU

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC
B	Part list updated	03-05-2013	KC

Alle kanter rettes
Break all edges

Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
	M100056		
	Base assembly 2 PU		

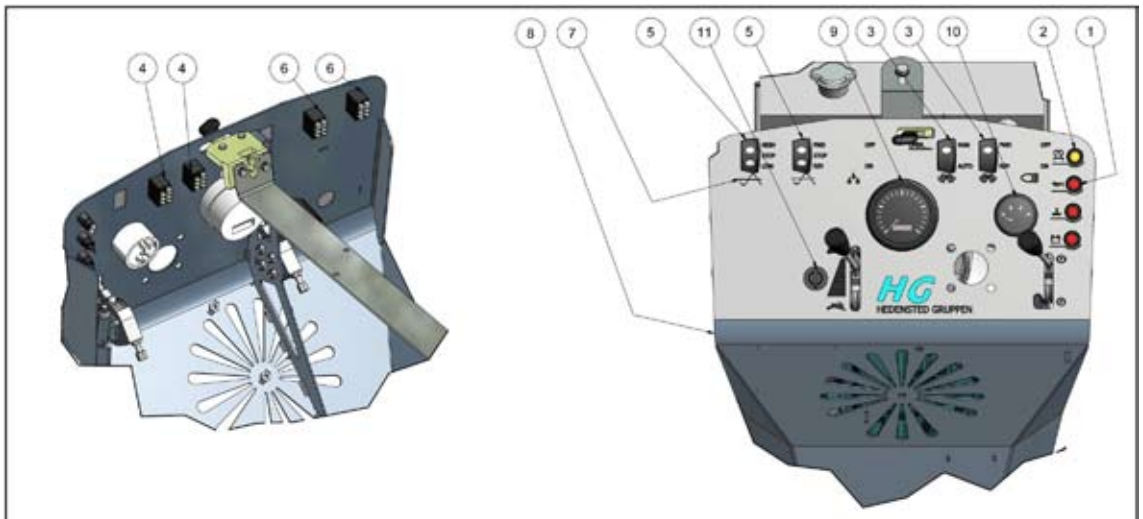


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	11406025	Hexagon bolt M6x25 FZB
2	2	11406030	Hexagon bolt M6x30 FZB
3	4	11408016	Hexagon bolt M8x16 FZB
4	7	11410020	Hexagon bolt M10x20 FZB
5	4	17906000	Self-locking nut M6 FZB
6	12	17908000	Self-locking nut M8 FZB
7	1	17910000	Self-locking nut M10 FZB
8	4	20408016	Hexagon countersunk 8x16 FZB
9	4	20408020	Hexagon countersunk M8x20 FZB
10	1	250094	Console for steering
11	1	250097	Cooler cover part 1
12	1	250098	Cooler cover part 2
13	1	250111	Filter assembly
14	1	250125	Lock for motor hood
15	1	25442	Frame part 5
16	4	82106000	Washer M6 FZB
17	12	82108000	Washer M8 FZB
18	1	82110000	Washer M10 FZB
19	2	M100016	Throtel leaver
20	1	M100019	Brake brace
21	1	M100020	Left mudguard
22	1	M100056	Base assembly 2 PU
23	1	M100058	Mud guard right

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC

Alle kanter rettes
Break all edges

Hedensted Gruppen	1 : 7	DS/ISO 2768-m	A3
		No	1 /1
	M100057		
	Base assembly 3 PU		



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	423667	Indicator lamp, red
2	1	423669	Indicator lamp, yellow
3	2	477981	Aktuator for 477980 and 477982
4	2	477982	Rocker switch ON-ON
5	2	477983	Aktuator for 477985
6	2	477985	Rocker switch OFF/ON/ON
7	1	M100021	Label for dashboard
8	1	M100057	Base assembly 3 PU
9	1	M100060	AMA Rpm-hour meter
10	1	M100061	AMA temperature gauge
11	1	M100063	AMA Innition lock

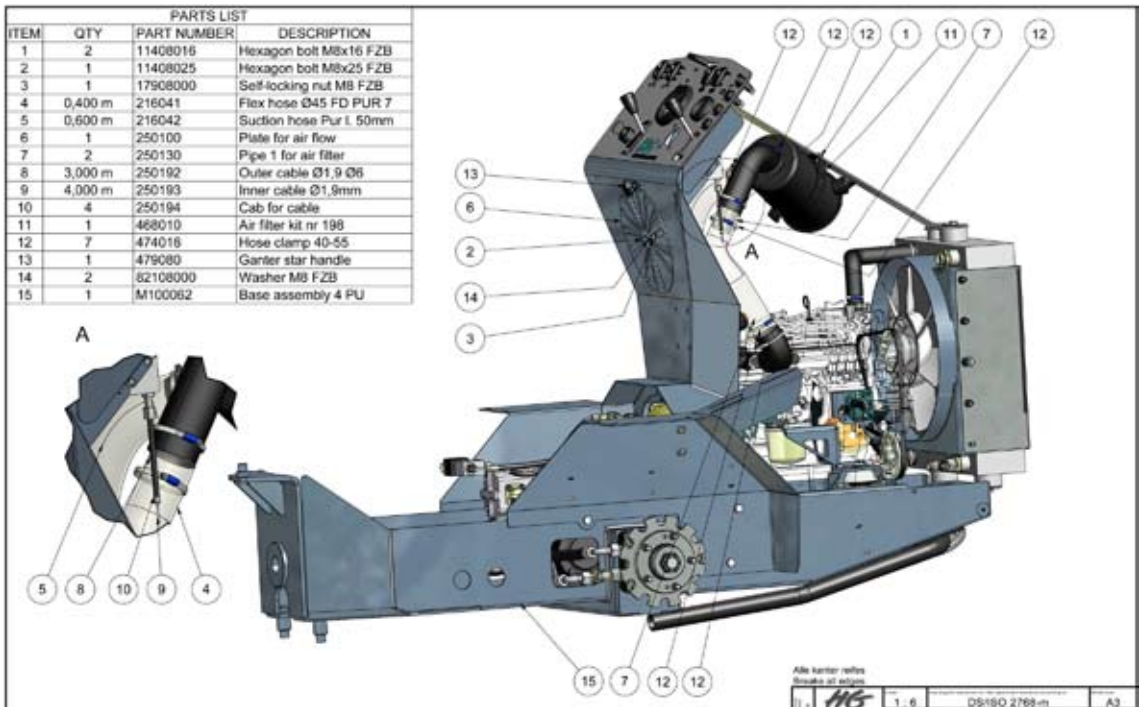
REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC
B	Contacts has been changed	06-03-2012	KC
C	Contacts has been changed	19-06-2012	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen | 1 : 6 | DS/ISO 2768-m | A3 | No | 1 /1 | M100062 | Base assembly 4 PU

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	11408016	Hexagon bolt M8x16 FZB
2	1	11408025	Hexagon bolt M8x25 FZB
3	1	17908000	Self-locking nut M8 FZB
4	0,400 m	216041	Flex hose Ø45 FD PUR 7
5	0,600 m	216042	Suction hose Pur l. 50mm
6	1	250100	Plate for air flow
7	2	250130	Pipe 1 for air filter
8	3,000 m	250192	Outer cable Ø1,9 Ø6
9	4,000 m	250193	Inner cable Ø1,9mm
10	4	250194	Cab for cable
11	1	468010	Air filter kit nr 198
12	7	474016	Hose clamp 40-55
13	1	479080	Ganter star handle
14	2	82108000	Washer M8 FZB
15	1	M100062	Base assembly 4 PU

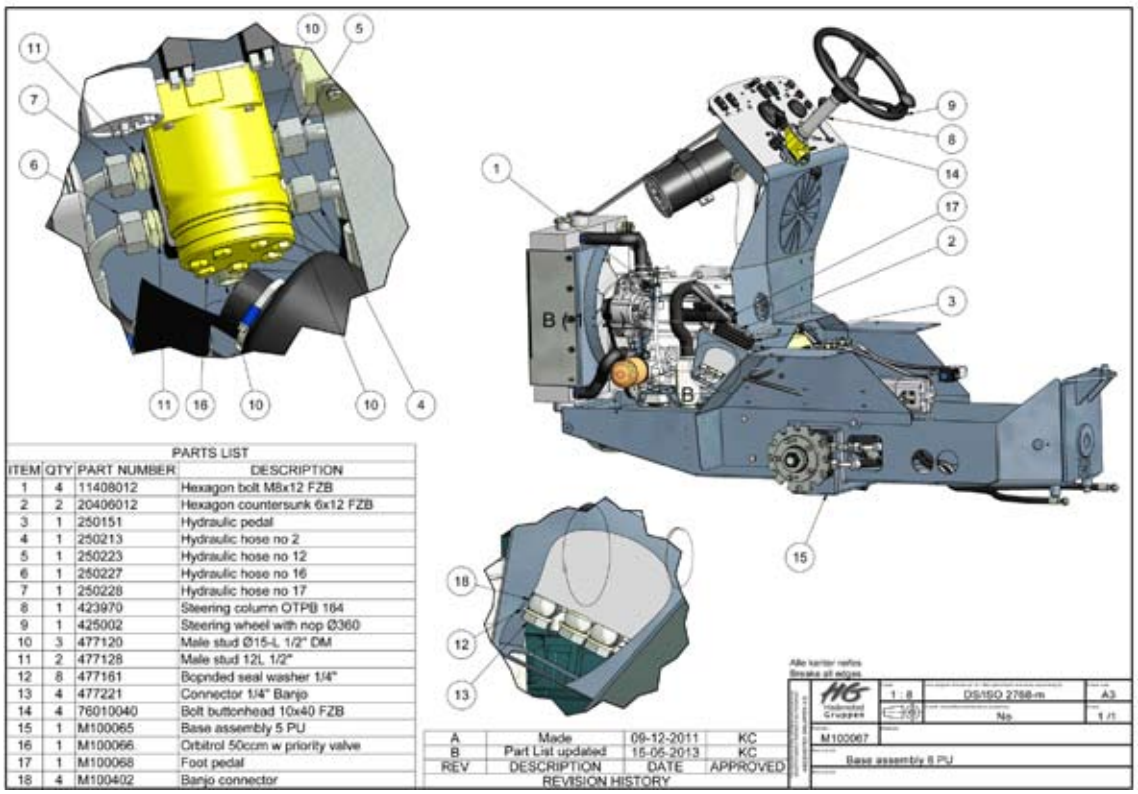


REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC
B	Partlist updated	13-05-2013	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen | 1 : 6 | DS/ISO 2768-m | A3 | No | 1 /1 | M100065 | Base assembly 5 PU



PARTS LIST

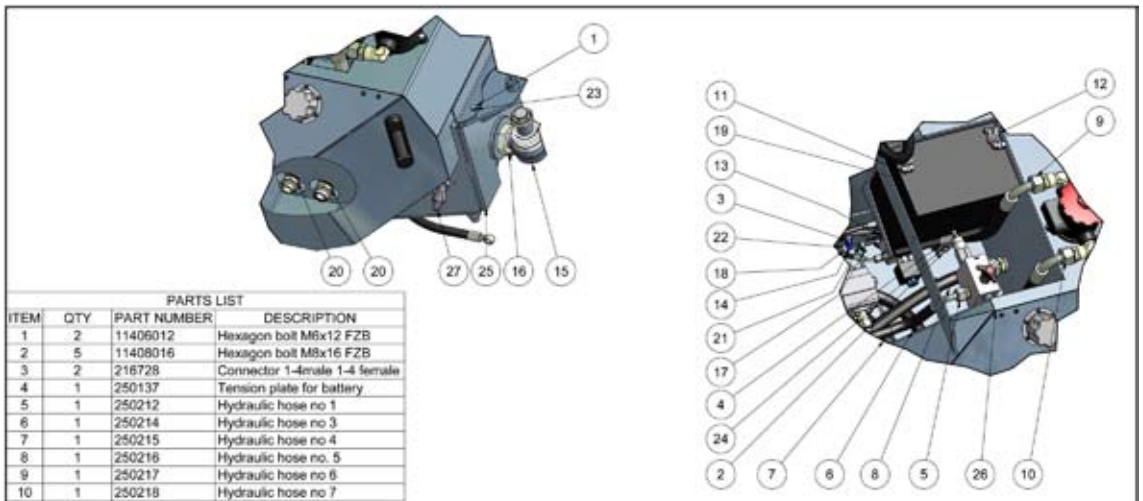
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	11408012	Hexagon bolt M8x12 FZB
2	2	20406012	Hexagon countersunk 6x12 FZB
3	1	250151	Hydraulic pedal
4	1	250213	Hydraulic hose no 2
5	1	250223	Hydraulic hose no 12
6	1	250227	Hydraulic hose no 16
7	1	250228	Hydraulic hose no 17
8	1	423970	Steering column OTPB 164
9	1	425002	Steering wheel with nop Ø360
10	3	477120	Male stud Ø15-L 1/2" DM
11	2	477128	Male stud 12L 1/2"
12	8	477161	Bopnded seal washer 1/4"
13	4	477221	Connector 1/4" Banjo
14	4	76010040	Bolt buttonhead 10x40 FZB
15	1	M100065	Base assembly 5 PU
16	1	M100066	Orbitrol 50ccm w priority valve
17	1	M100068	Foot pedal
18	4	M100402	Banjo connector

REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC
B	Part List updated	15-06-2013	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 8	DS/ISO 2768-m	A3
		No	1 /1
	M100067		
	Base assembly 6 PU		



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	11406012	Hexagon bolt M6x12 FZB
2	5	11408016	Hexagon bolt M8x16 FZB
3	2	216728	Connector 1-4male 1-4 ferrule
4	1	250137	Tension plate for battery
5	1	250212	Hydraulic hose no 1
6	1	250214	Hydraulic hose no 3
7	1	250215	Hydraulic hose no 4
8	1	250216	Hydraulic hose no. 5
9	1	250217	Hydraulic hose no 6
10	1	250218	Hydraulic hose no 7
11	1	421419	Negative terminal
12	1	423529	Positive terminal
13	1	423900	Elbow hose connector Ø5x1-4
14	1	423902	Elbow hose connector Ø8x1-4
15	1	425235	Ball bearing SC336010010
16	2	425240	Nut M38x1,5 FZB
17	2	474000	Hose clamp 7-11
18	2	474006	Hose clamp 11-16
19	1	476018	Battery 75Ah
20	2	477126	Male stud 22L 3/4" DM
21	1,7 m	479105	Petrolhose 5,5mm
22	2,0 m	479112	Petrolhose 8,0mm
23	2	82106000	Washer M6 FZB
24	5	82108000	Washer M8 FZB
25	1	M100067	Base assembly 6 PU
26	1	M100069	Hydraulic tank assembly
27	1	M100126	Circuit breaker

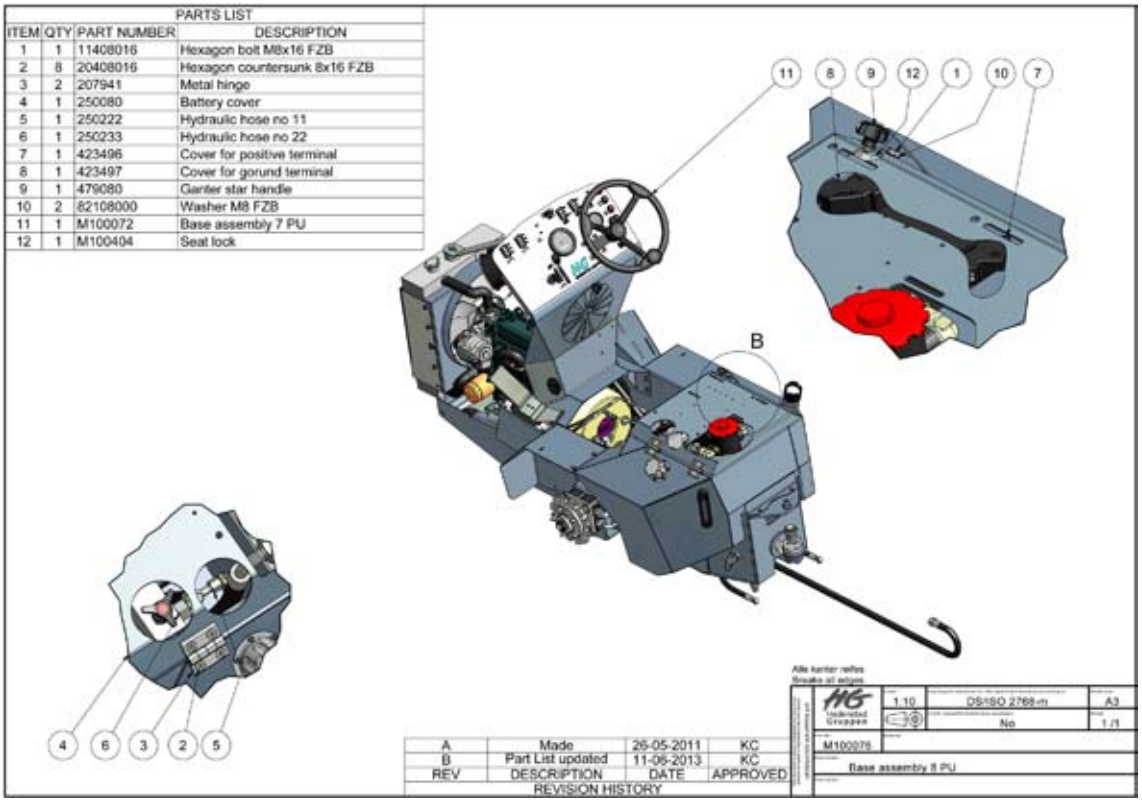
REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC
B	Part List updated	12-06-2013	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
	M100072		
	Base assembly 7 PU		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11408016	Hexagon bolt M8x16 FZB
2	8	20408016	Hexagon countersunk 8x16 FZB
3	2	207941	Metal hinge
4	1	250080	Battery cover
5	1	250222	Hydraulic hose no 11
6	1	250233	Hydraulic hose no 22
7	1	423496	Cover for positive terminal
8	1	423497	Cover for gorund terminal
9	1	479080	Ganter star handle
10	2	82108000	Washer M8 FZB
11	1	M100072	Base assembly 7 PU
12	1	M100404	Seat lock

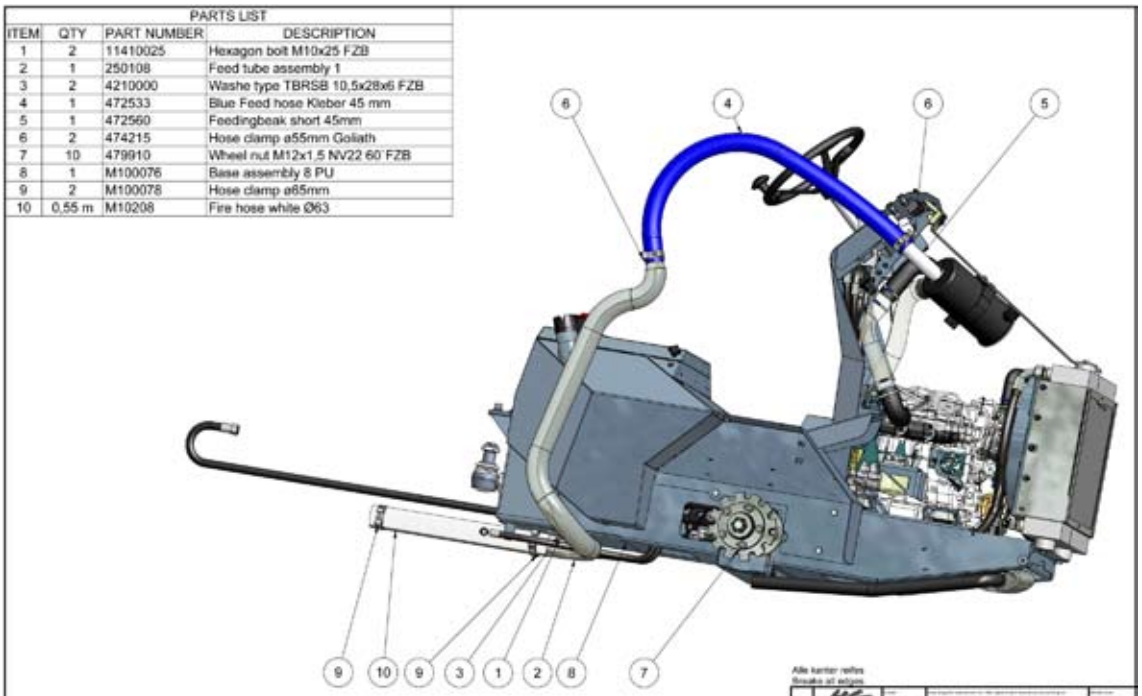


REV	DESCRIPTION	DATE	APPROVED
A	Made	26-05-2011	KC
B	Part List updated	11-06-2013	KC

REVISION HISTORY

1:10	DS/ISO 2768-m	A3	
No		1 /1	
M100076			
Base assembly 8 PU			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	11410025	Hexagon bolt M10x25 FZB
2	1	250108	Feed tube assembly 1
3	2	4210000	Washe type TBRSB 10,5x28x6 FZB
4	1	472533	Blue Feed hose Kleber 45 mm
5	1	472560	Feedingbeak short 45mm
6	2	474215	Hose clamp ø55mm Goliath
7	10	479910	Wheel nut M12x1,5 NV22 60° FZB
8	1	M100076	Base assembly 8 PU
9	2	M100078	Hose clamp ø65mm
10	0,55 m	M10208	Fire hose white Ø63

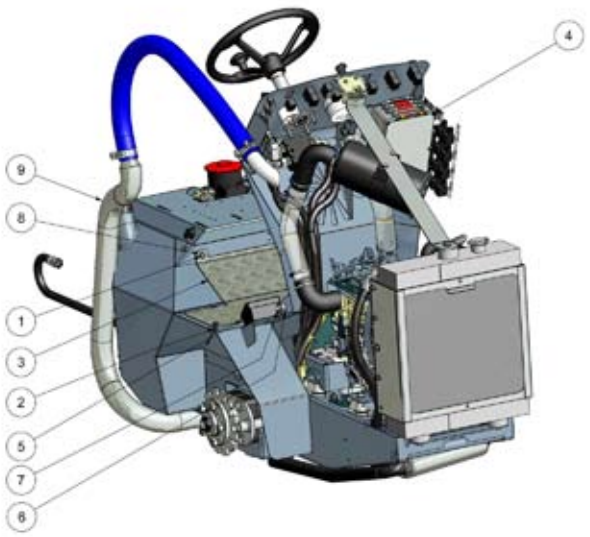


REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC

REVISION HISTORY

1 : 8	DS/ISO 2768-m	A3	
No		1 /1	
M100077			
Base assembly 9 PU			

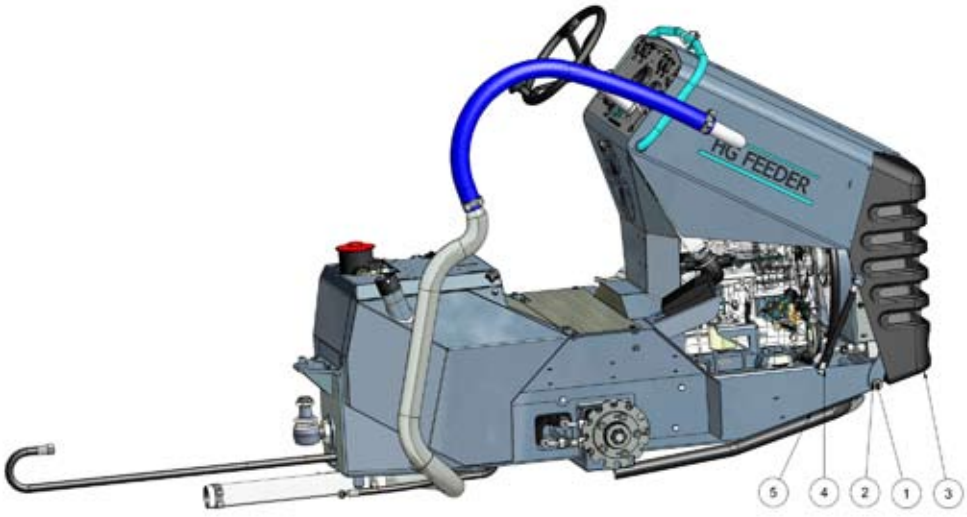
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	11406016	Hexagon bolt M6x16 FZB
2	2	17906000	Self-locking nut M6 FZB
3	1	250112	Foot plate
4	1	250237	Wirering complete
5	1	489105	Foot pedal XPEA110
6	1	600460	Cable gland M16
7	1	600470	Nut M16 polyamid
8	6	82606000	Washer Ø6,4x18x1,6
9	1	M100077	Base assembly 9 PU



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC
B	Part List updated	19-06-2013	KC

Alle kanter rettes
Break all edges

HG Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
M100079			
Base assembly 10 PU			

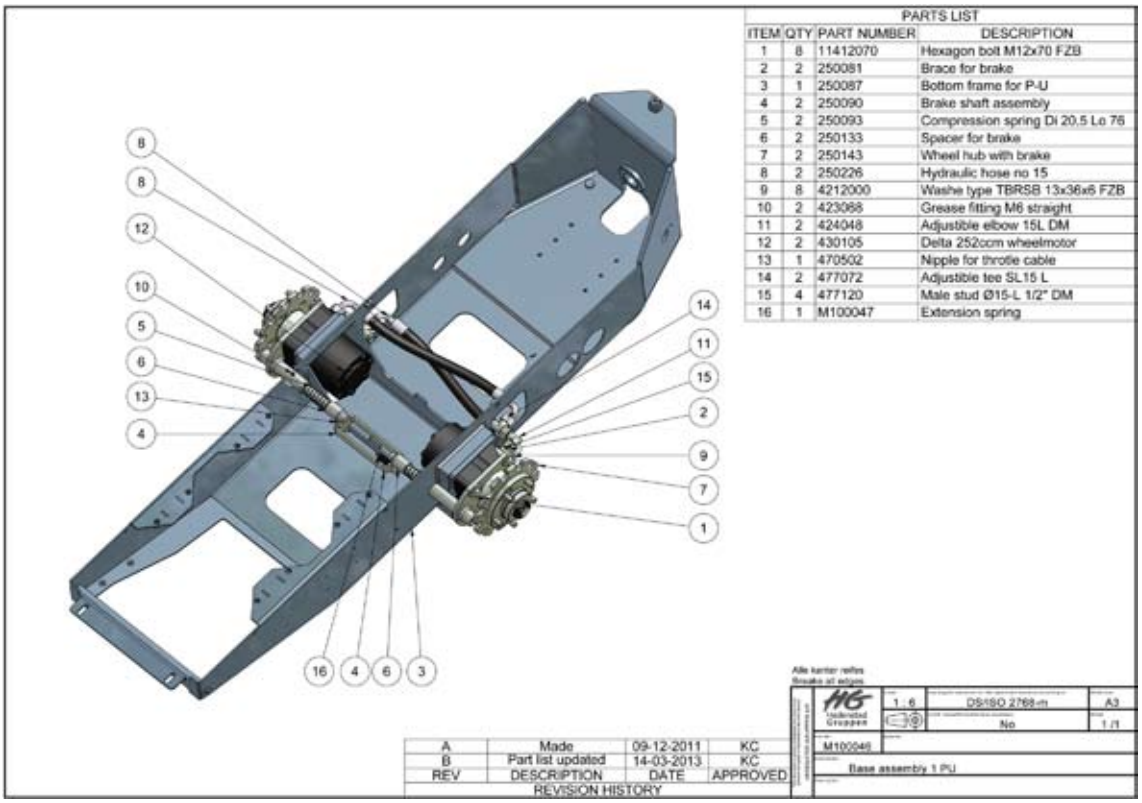


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10208045	Bolt unbraco cyl 8x45 FZB
2	2	250089	Bushing for hood
3	1	250170	Motor hood assembly
4	2	250174	Gas spring assembly
5	1	M100079	Base assembly 10 PU

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	26-05-2011	KC

Alle kanter rettes
Break all edges

HG Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
M100085			
Base assembly 11 PU			



PARTS LIST

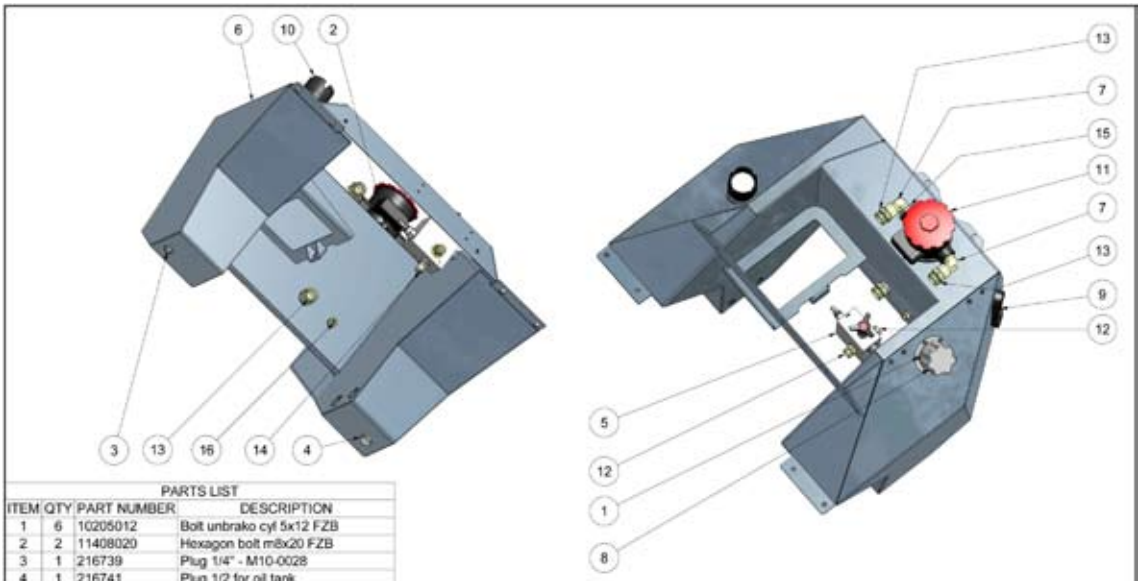
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	11412070	Hexagon bolt M12x70 FZB
2	2	250081	Brace for brake
3	1	250087	Bottom frame for P-U
4	2	250090	Brake shaft assembly
5	2	250093	Compression spring Di 20,5 Lo 76
6	2	250133	Spacer for brake
7	2	250143	Wheel hub with brake
8	2	250226	Hydraulic hose no 15
9	8	4212000	Washe type TBRSB 13x36x6 FZB
10	2	423068	Grease fitting M6 straight
11	2	424048	Adjustible elbow 15L DM
12	2	430105	Delta 252ccm wheelmotor
13	1	470502	Nipple for throtle cable
14	2	477072	Adjustible tee SL15 L
15	4	477120	Male stud Ø15-L 1/2" DM
16	1	M100047	Extension spring

Alle kanter rettes
Break all edges

A	Made	09-12-2011	KC
B	Part list updated	14-03-2013	KC
REV	DESCRIPTION	DATE	APPROVED

REVISION HISTORY

Hedensted Gruppen | 1 : 6 | DS/ISO 2768-m | A3 | No | 1 /1 | M100046 | Base assembly 1 PU



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	10205012	Bolt unbrako cyl 5x12 FZB
2	2	11408020	Hexagon bolt m8x20 FZB
3	1	216739	Plug 1/4" - M10-0028
4	1	216741	Plug 1/2 for oil tank
5	1	250077	Assembly valve for flow adjustment
6	1	250120	Hydraulic and fuel tank
7	2	250149	Elbow 3-4 male-female
8	1	423459	Påfyldning HB70
9	1	423460	Oil level indicator
10	1	423915	Fuel indicator
11	1	424532	Combo K041301
12	2	477117	Male stud 15L 3/8"
13	3	477126	Male stud 22L 3/4" DM
14	1	477229	Male test nipple 3/8" BSP
15	1	M100045	Reduction 1inch 3-4inch
16	1	M100071	Male stud 6L 1/4"

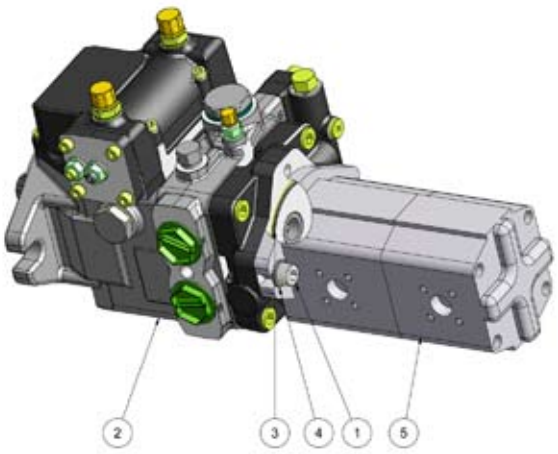
Alle kanter rettes
Break all edges

A	Made	09-12-2011	KC
REV	DESCRIPTION	DATE	APPROVED

REVISION HISTORY

Hedensted Gruppen | 1 : 6 | DS/ISO 2768-m | A3 | No | 1 /1 | M100069 | Hydraulic tank assembly

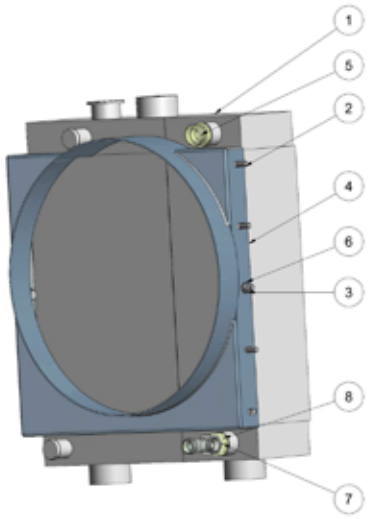
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10210030	Bolt Unbraco cyl 10x30 FZB
2	1	250152	Hydrostat V250
3	1	250187	O-ring shore NB 70 SAE A
4	2	82110000	Washer M10 FZB
5	1	M100128	Double pump14-4



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	07-01-2013	KC

Alle kanter rettes
Breake all edges
Hedensted Gruppen
1 : 2
DS/ISO 2768-m
A3
No
1 /1
M100343 Pump assembly

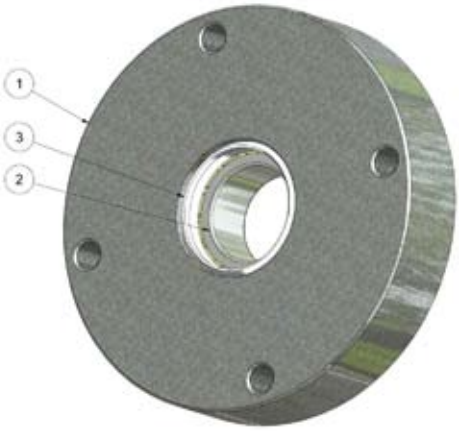
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	250091	Combi cooler
2	2	250136	Tension brace for cooler
3	2	17908000	Self-locking nut M8 FZB
4	1	250107	Fan Cover
5	1	477126	Male stud 22L 3/4" DM
6	2	82108000	Washer M8 FZB
7	1	477072	Adjustible tee SL15 L
8	1	477124	Male stud Ø15-L 3/4 DM



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12-2011	KC

Alle kanter rettes
Breake all edges
Hedensted Gruppen
1 : 4
DS/ISO 2768-m
A3
No
1 /1
250099
Cooler unit

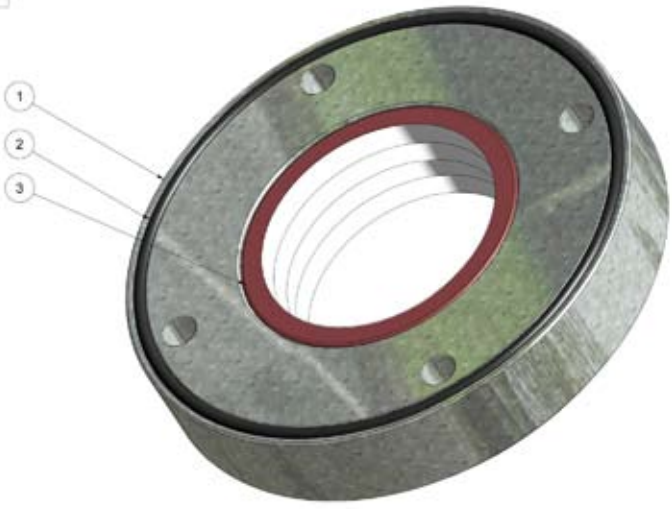
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	250117	Hub for mixer worm
2	1	250134	Spherical roller bearings 30-72-23
3	1	250146	Wiper 55x45x7



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12-2011	KC

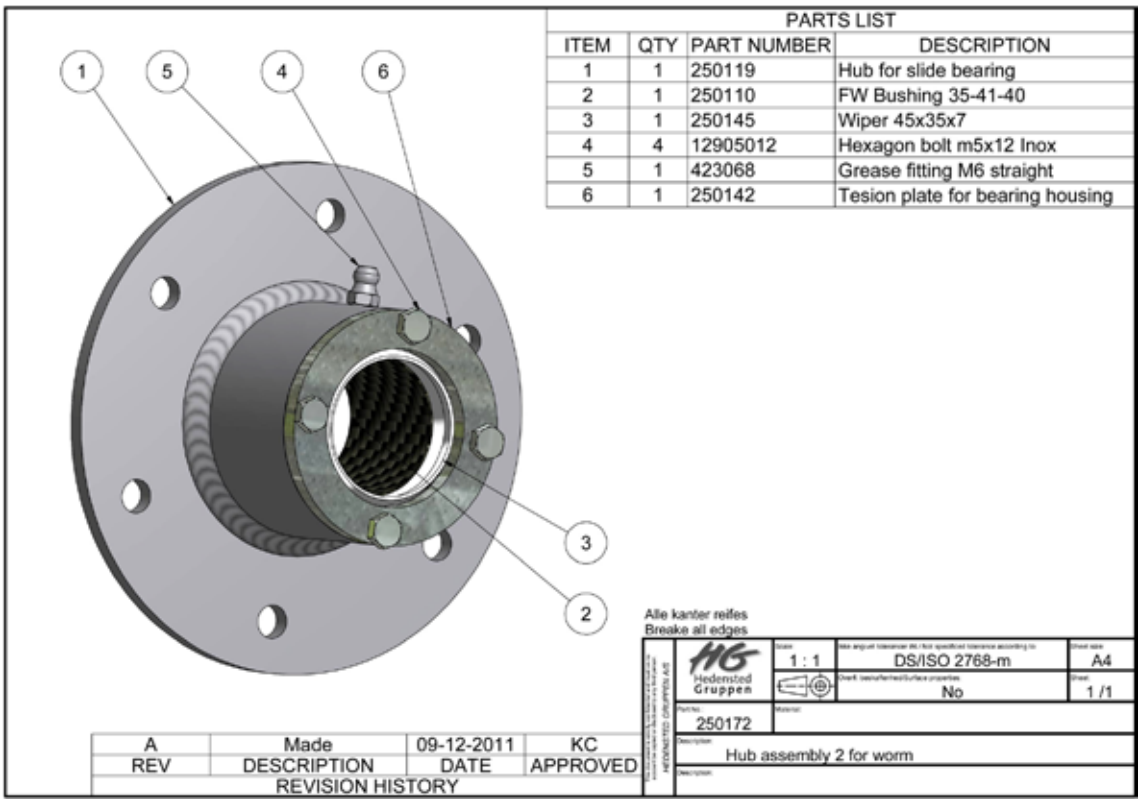
Alle kanter rettes
Breake all edges
Hedensted Gruppen
1 : 1
DS/ISO 2768-m
A3
No
1 / 1
250115
Hub assembly 1 for worm

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	250118	Hub for sealings
2	1	250129	O-ring 92x2.5
3	2	250146	Wiper 55x45x7



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12-2011	KC

Alle kanter rettes
Breake all edges
Hedensted Gruppen
2 : 1
DS/ISO 2768-m
A3
No
1 / 1
250116
Hub assembly with sealings



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	250119	Hub for slide bearing
2	1	250110	FW Bushing 35-41-40
3	1	250145	Wiper 45x35x7
4	4	12905012	Hexagon bolt m5x12 Inox
5	1	423068	Grease fitting M6 straight
6	1	250142	Tesion plate for bearing housing

Alle kanter reifes
Breake all edges

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC

Hedensted Gruppen	1 : 1	DS/ISO 2768-m	A4
		No	1 /1
250172			
Hub assembly 2 for worm			

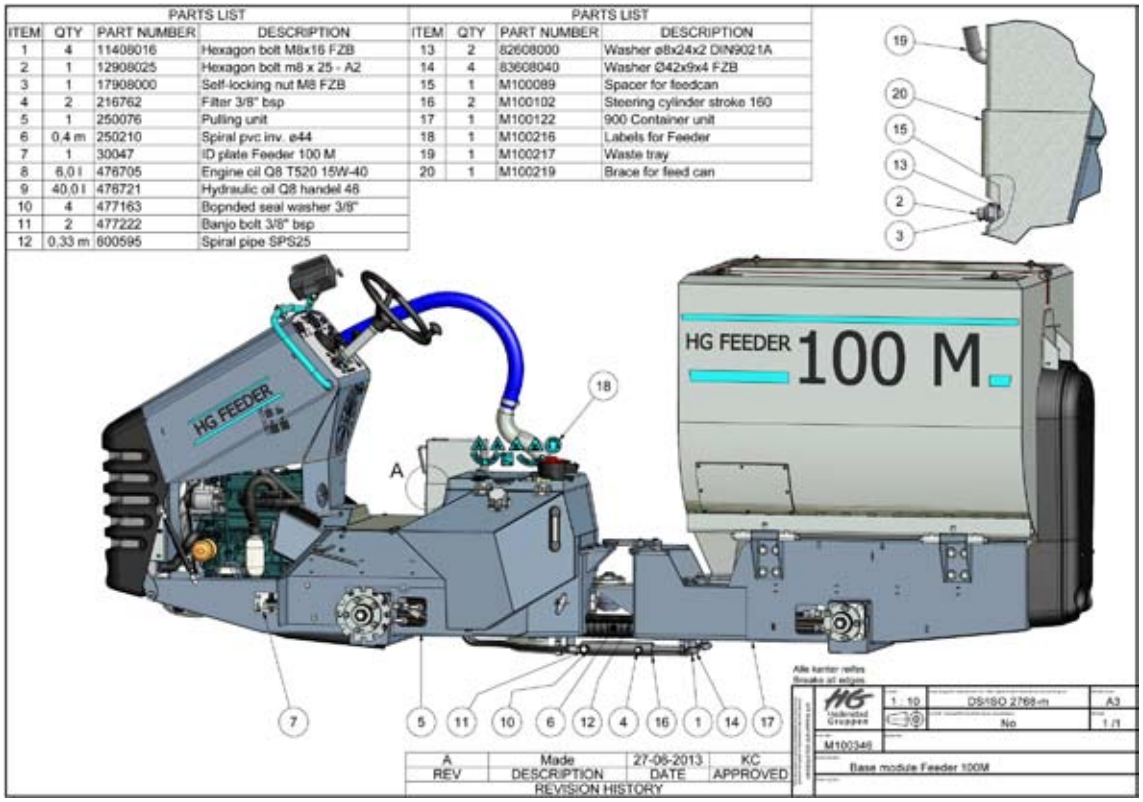
11.3 Spare parts appendice: Feeder 100 M

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	11408016	Hexagon bolt M8x16 FZB
2	1	12908025	Hexagon bolt m8 x 25 - A2
3	1	17908000	Self-locking nut M8 FZB
4	2	216762	Filter 3/8" bsp
5	1	250076	Pulling unit
6	0,4 m	250210	Spiral pvc inv. ø44
7	1	30047	ID plate Feeder 100 M
8	6,0 l	476705	Engine oil Q8 T520 15W-40
9	40,0 l	476721	Hydraulic oil Q8 handel 46
10	4	477163	Bopnded seal washer 3/8"
11	2	477222	Banjo bolt 3/8" bsp
12	0.33 m	600595	Spiral pipe SPS25

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
13	2	82608000	Washer ø8x24x2 DIN9021A
14	4	83608040	Washer Ø42x9x4 FZB
15	1	M100089	Spacer for feedcan
16	2	M100102	Steering cylinder stroke 160
17	1	M100122	900 Container unit
18	1	M100216	Labels for Feeder
19	1	M100217	Waste tray
20	1	M100219	Brace for feed can

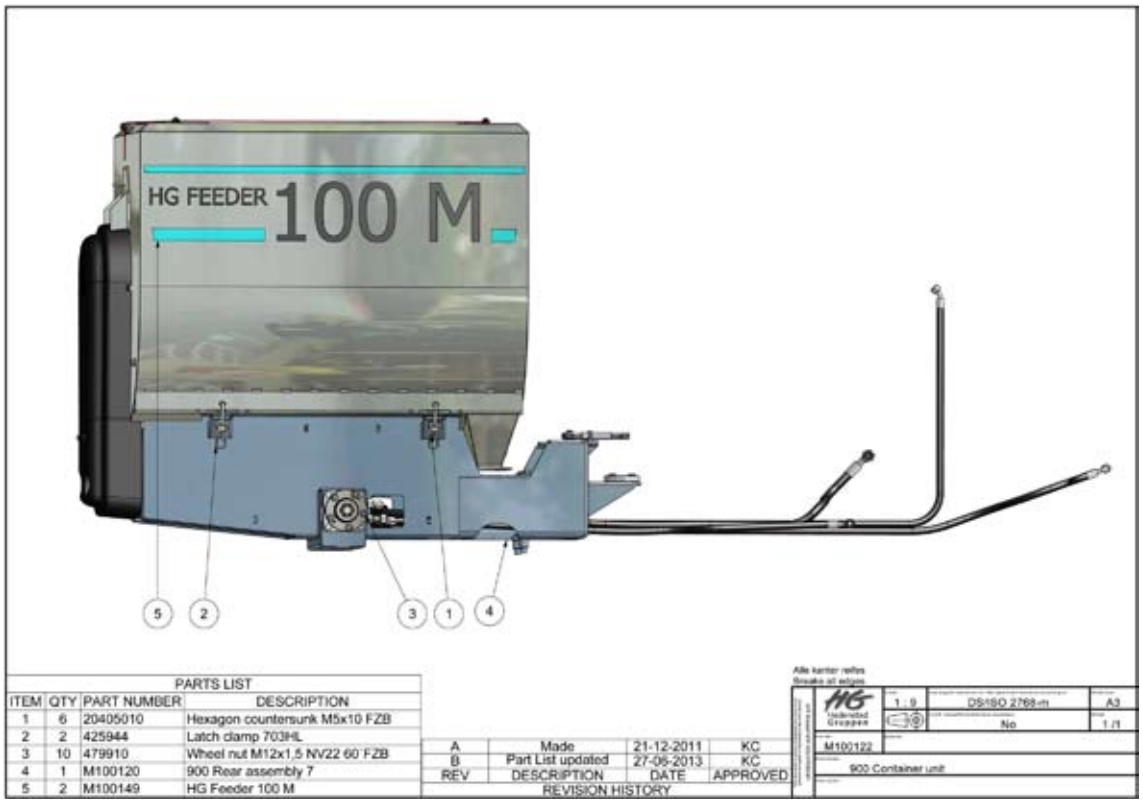


REV	DESCRIPTION	DATE	APPROVED
A	Made	27-06-2013	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

1 : 10 | DS/ISO 2768-m | A3
No | 1 /1
M100346
Base module Feeder 100M



PARTS LIST

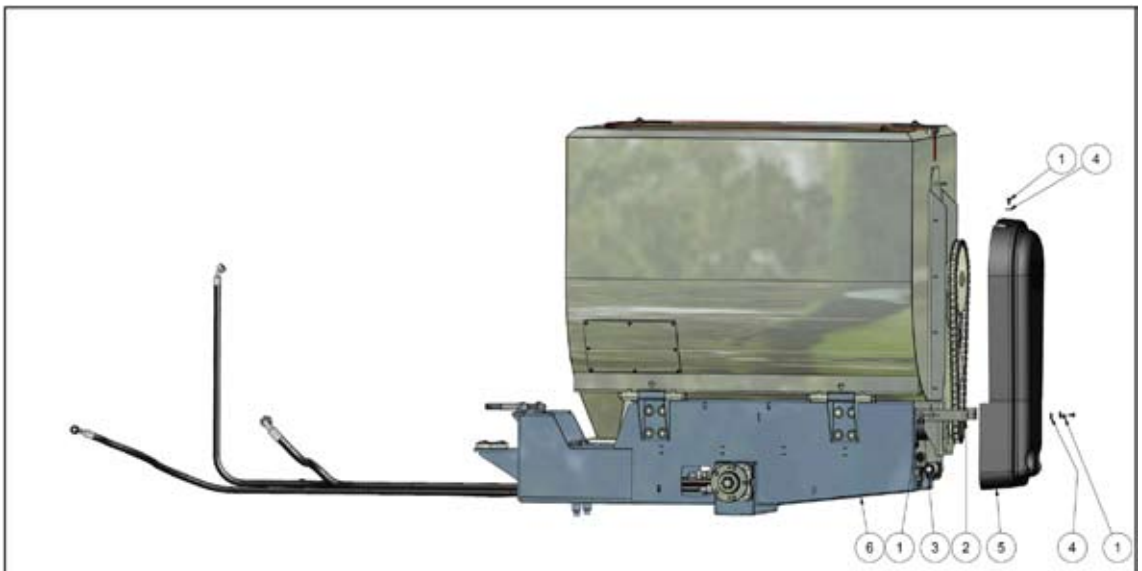
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	20405010	Hexagon countersunk M5x10 FZB
2	2	425944	Latch clamp 703HL
3	10	479910	Wheel nut M12x1,5 NV22 60 FZB
4	1	M100120	900 Rear assembly 7
5	2	M100149	HG Feeder 100 M

REV	DESCRIPTION	DATE	APPROVED
A	Made	21-12-2011	KC
B	Part List updated	27-06-2013	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

1 : 9 | DS/ISO 2768-m | A3
No | 1 /1
M100122
900 Container unit

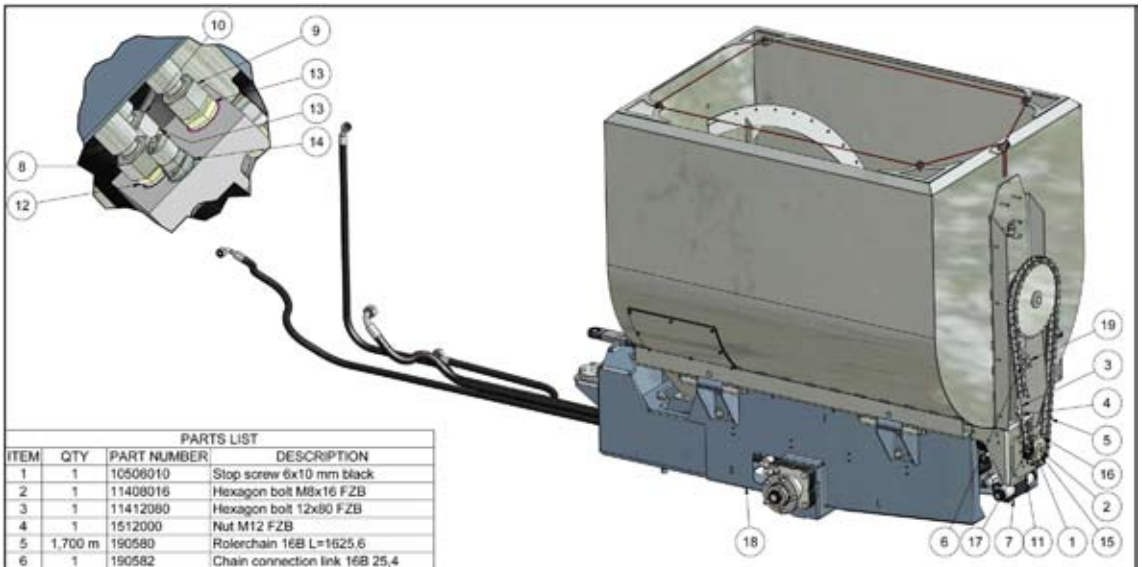


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	7	11408016	Hexagon bolt M8x16 FZB
2	2	250082	Brace for chain cover
3	4	82108000	Washer M8 FZB
4	3	82608000	Washer ø8x24x2 DIN9021A
5	1	M100023	Chain cover
6	1	M100119	900 Rear assembly 6

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	21-12-2011	KC

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 10	DS/ISO 2768-m	A3
		No	1 /1
M100120	900 Rear assembly 7		



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	10508010	Stop screw 6x10 mm black
2	1	11408016	Hexagon bolt M8x16 FZB
3	1	11412080	Hexagon bolt 12x80 FZB
4	1	1512000	Nut M12 FZB
5	1,700 m	190580	Rolerchain 16B L=1625.6
6	1	190582	Chain connection link 16B 25,4
7	1	250126	Motor assembly for mixer
8	1	250234	Hydraulic hose no 23
9	1	250235	Hydraulic hose no 24
10	1	250236	Hydraulic hose no 25
11	1	25416	Container sheet 11
12	1	477117	Male stud 15L 3/8"
13	2	477120	Male stud Ø15-L 1/2" DM
14	1	477229	Male test nipple 3/8" BSP
15	1	4809335	Washer type SRKB ø9x35x3
16	1	M100037	Sprocket Z-11 1inch Ø25
17	1	M100099	Spacer for sprocket
18	1	M100118	900 Rear assembly 5
19	1	M100412	Half chain link 16B

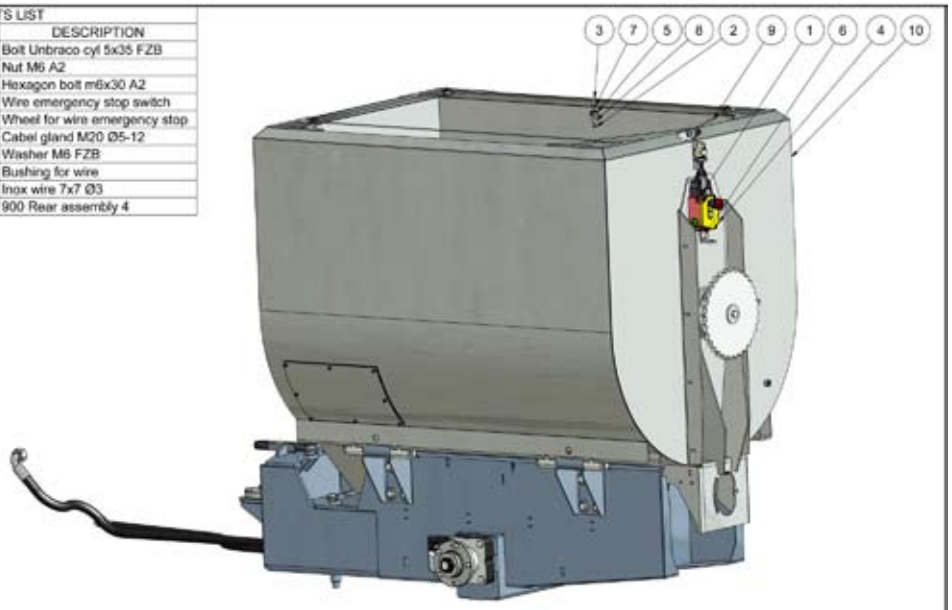
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	21-12-2011	KC
B	Part List updated	27-06-2013	KC

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 9	DS/ISO 2768-m	A3
		No	1 /1
M100119	900 Rear assembly 6		

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	10205035	Bolt Unbraco cyl 5x35 FZB
2	6	12606000	Nut M6 A2
3	6	12906030	Hexagon bolt m6x30 A2
4	1	425934	Wire emergency stop switch
5	6	430465	Wheel for wire emergency stop
6	1	600455	Cabel gland M20 Ø5-12
7	6	82106000	Washer M6 FZB
8	6	M100038	Bushing for wire
9	3,5 m	M100039	Inox wire 7x7 Ø3
10	1	M100116	900 Rear assembly 4



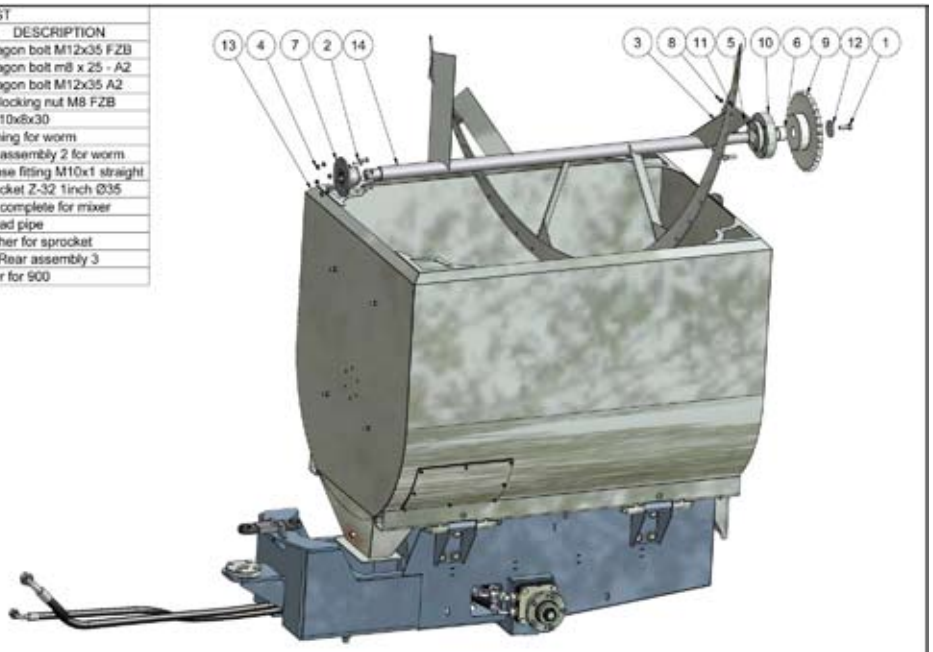
REV	DESCRIPTION	DATE	APPROVED
A	Made	21-12-2011	KC
B	Emergency stop is changed	07-02-2012	KC
C	Part List updated	27-06-2013	KC

REVISION HISTORY

1 : 6	DS/ISO 2768-m	A3	
	No	1 /1	
M100116			
900 Rear assembly 5			

PARTS LIST

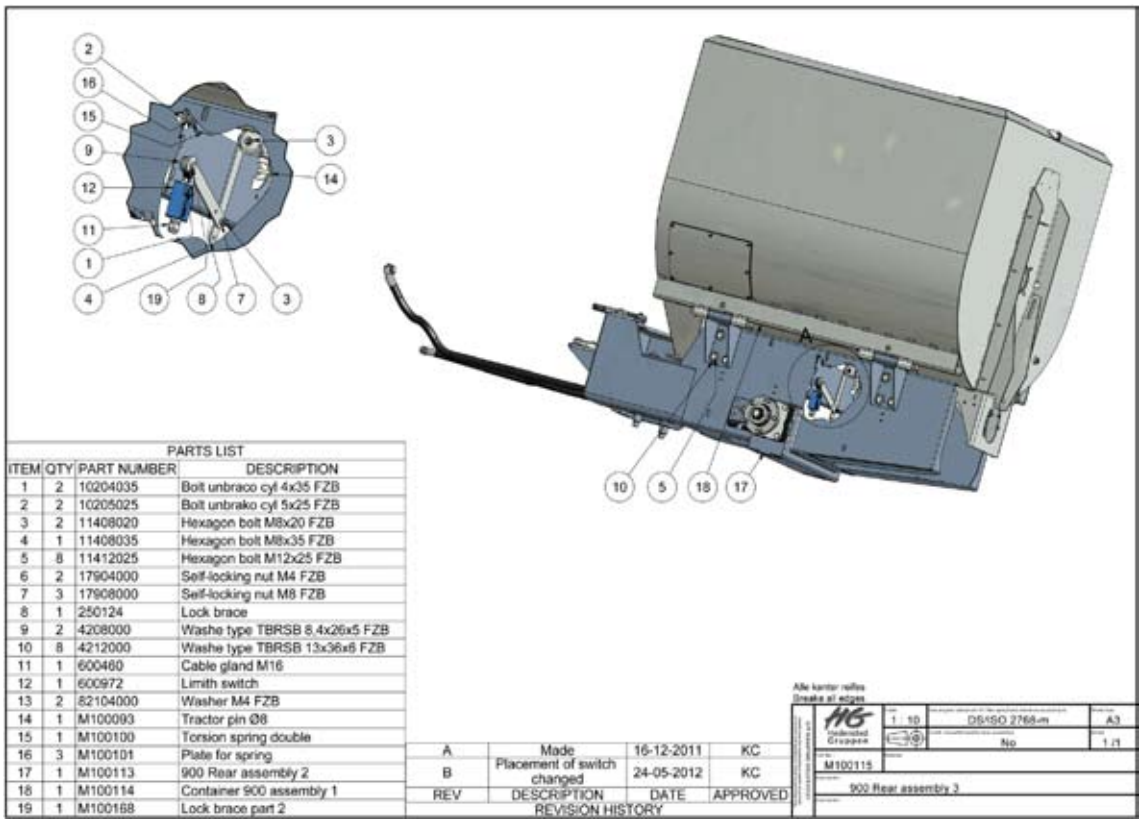
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11412035	Hexagon bolt M12x35 FZB
2	10	12908025	Hexagon bolt m8 x 25 - A2
3	4	12912035	Hexagon bolt M12x35 A2
4	11	17908000	Self-locking nut M8 FZB
5	1	197044	Key 10x8x30
6	1	250088	Bushing for worm
7	1	250172	Hub assembly 2 for worm
8	1	426384	Grease fitting M10x1 straight
9	1	M100036	Sprocket Z-32 1inch Ø35
10	1	M100044	Hub complete for mixer
11	1	M100095	Thread pipe
12	1	M100096	Washer for sprocket
13	1	M100115	900 Rear assembly 3
14	1	M100117	Mixer for 900



REV	DESCRIPTION	DATE	APPROVED
A	Made	20-12-2011	KC

REVISION HISTORY

1 : 9	DS/ISO 2768-m	A3	
	No	1 /1	
M100116			
900 Rear assembly 4			

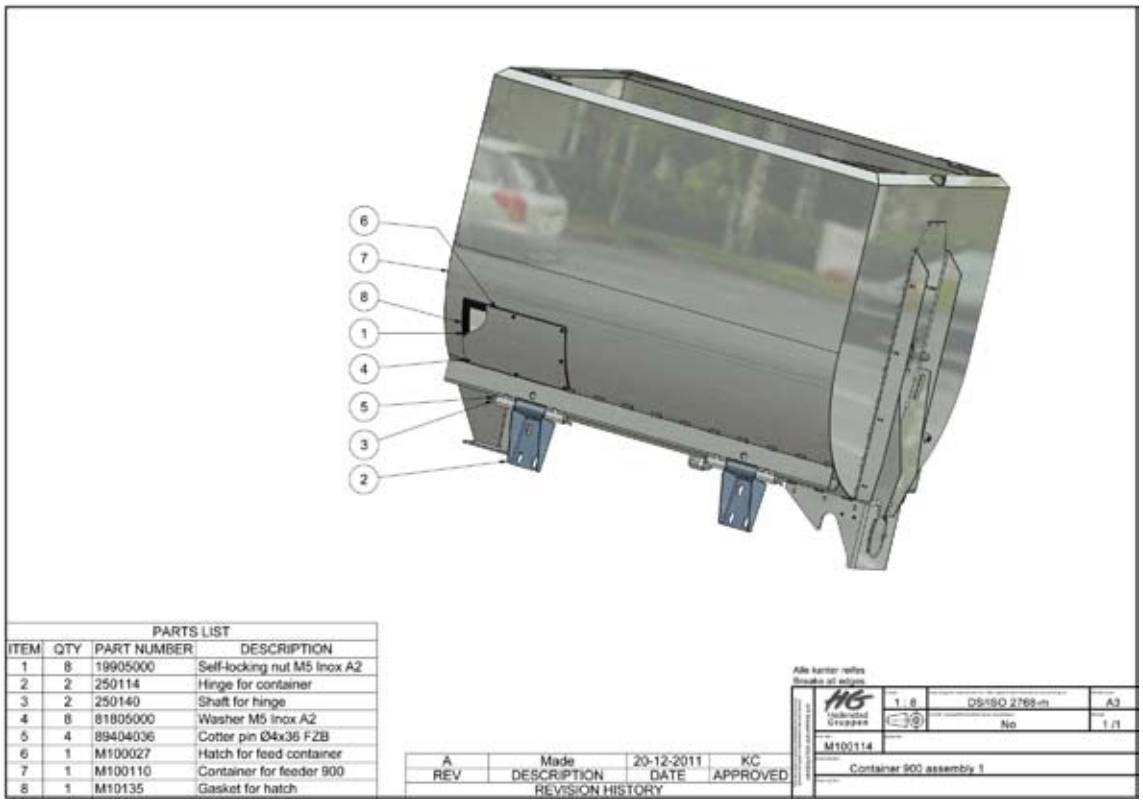


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10204035	Bolt unbrako cyl 4x35 FZB
2	2	10205025	Bolt unbrako cyl 5x25 FZB
3	2	11408020	Hexagon bolt M8x20 FZB
4	1	11408035	Hexagon bolt M8x35 FZB
5	8	11412025	Hexagon bolt M12x25 FZB
6	2	17904000	Self-locking nut M4 FZB
7	3	17908000	Self-locking nut M8 FZB
8	1	250124	Lock brace
9	2	4208000	Washe type TBRSB 8.4x26x5 FZB
10	8	4212000	Washe type TBRSB 13x36x6 FZB
11	1	600460	Cable gland M16
12	1	600972	Limith switch
13	2	82104000	Washer M4 FZB
14	1	M100093	Tractor pin Ø8
15	1	M100100	Torsion spring double
16	3	M100101	Plate for spring
17	1	M100113	900 Rear assembly 2
18	1	M100114	Container 900 assembly 1
19	1	M100168	Lock brace part 2

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	16-12-2011	KC
B	Placement of switch changed	24-05-2012	KC

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen	1 : 10	DS/ISO 2768-m	A3
		No	1 /1
M100115			
900 Rear assembly 3			

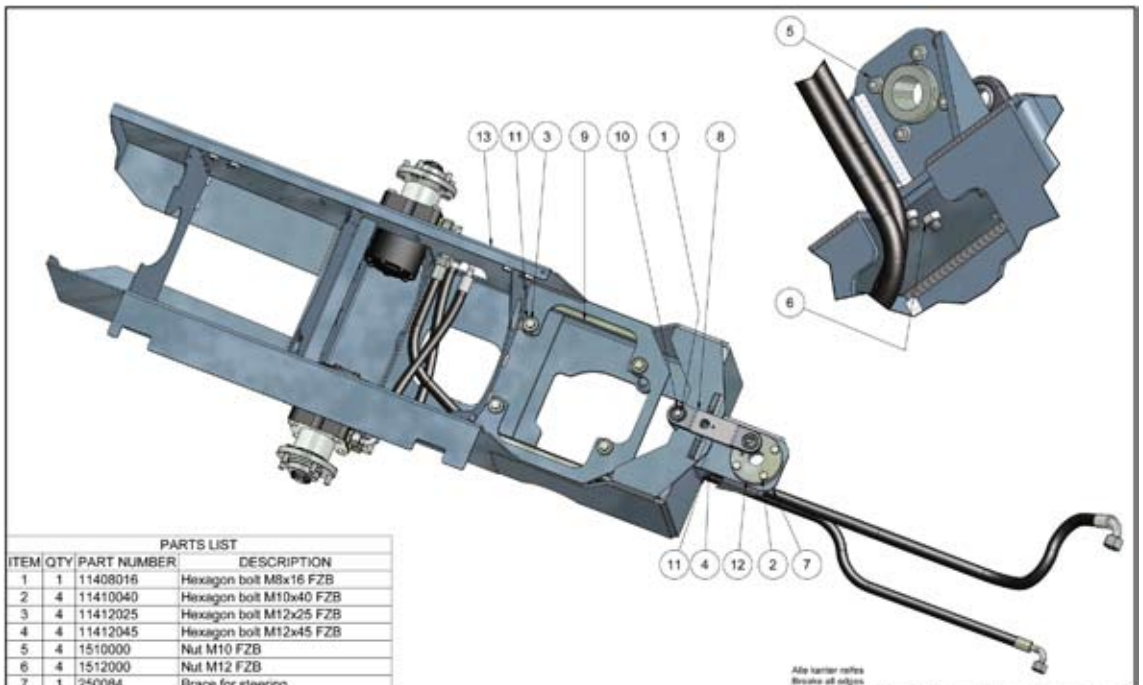


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	19905000	Self-locking nut M5 Inox A2
2	2	250114	Hinge for container
3	2	250140	Shaft for hinge
4	8	81805000	Washer M5 Inox A2
5	4	89404036	Cotter pin Ø4x36 FZB
6	1	M100027	Hatch for feed container
7	1	M100110	Container for feeder 900
8	1	M10135	Gasket for hatch

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	20-12-2011	KC

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen	1 : 8	DS/ISO 2768-m	A3
		No	1 /1
M100114			
Container 900 assembly 1			

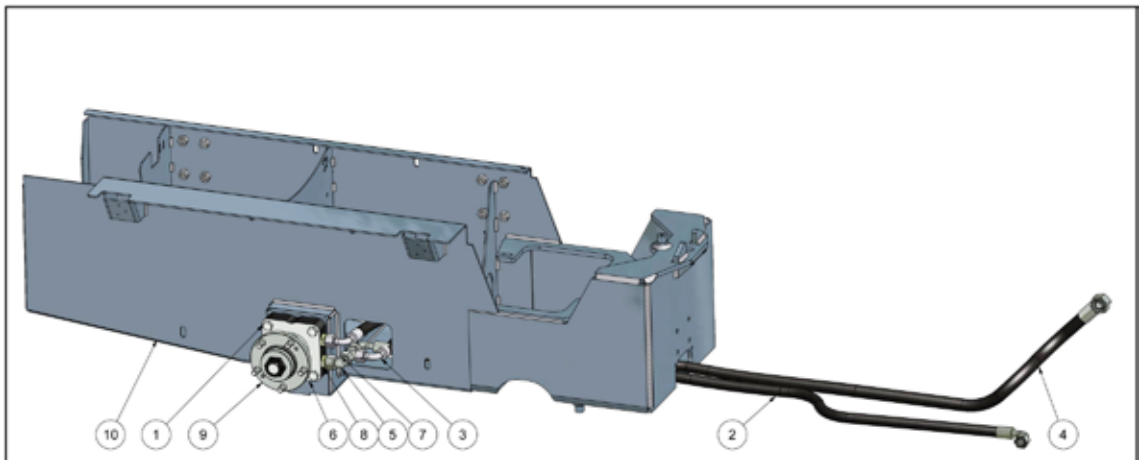


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11408016	Hexagon bolt M8x16 FZB
2	4	11410040	Hexagon bolt M10x40 FZB
3	4	11412025	Hexagon bolt M12x25 FZB
4	4	11412045	Hexagon bolt M12x45 FZB
5	4	1510000	Nut M10 FZB
6	4	1512000	Nut M12 FZB
7	1	250084	Brace for steering
8	1	250135	Steering link
9	2	250141	Tension plate
10	1	4208000	Washe type TBRSB 8,4x26x5 FZB
11	8	4212000	Washe type TBRSB 13x36x6 FZB
12	1	425425	Bushing for ball joint
13	1	M100112	900 Rear assembly 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	20-12-2011	KC
B	Part List updated	26-06-2013	KC

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
M100113			
900 Rear assembly 2			



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	11412055	Hexagon bolt 12 x 55 FZB
2	1	250225	Hydraulic hose no 14
3	2	250226	Hydraulic hose no 15
4	1	250230	Hydraulic hose no 19
5	2	424048	Adjustible elbow 15L DM
6	2	430105	Delta 252ccm wheelmotor
7	2	477072	Adjustible tee SL15 L
8	4	477120	Male stud Ø15-L 1/2" DM
9	2	M100041	Wheel hub assembly slim
10	1	M100111	900 Rear frame

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	20-12-2011	KC
B	Part list updated	25-04-2013	KC

Alle kanter rettes
Breake all edges

Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
M100112			
900 Rear assembly 1			

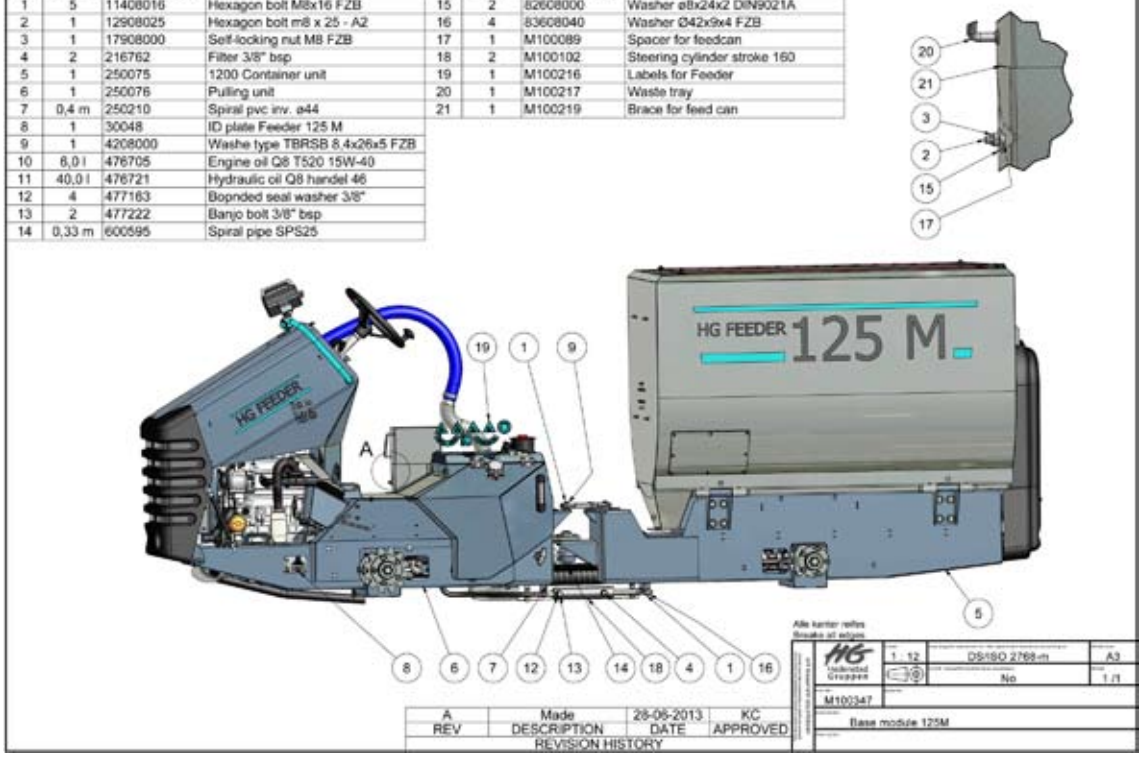
11.4 Spare parts appendice: Feeder 125 M

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	5	11408016	Hexagon bolt M8x16 FZB
2	1	12908025	Hexagon bolt m8 x 25 - A2
3	1	17908000	Self-locking nut M8 FZB
4	2	216762	Filter 3/8" bsp
5	1	250075	1200 Container unit
6	1	250076	Pulling unit
7	0,4 m	250210	Spiral pvc inv. ø44
8	1	30048	ID plate Feeder 125 M
9	1	4208000	Washe type TBRSB 8.4x26x5 FZB
10	6,0 l	476705	Engine oil Q8 T520 15W-40
11	40,0 l	476721	Hydraulic oil Q8 handel 46
12	4	477163	Bopnded seal washer 3/8"
13	2	477222	Banjo bolt 3/8" bsp
14	0,33 m	600595	Spiral pipe SPS25

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
15	2	82608000	Washer ø8x24x2 DIN9021A
16	4	83608040	Washer Ø42x9x4 FZB
17	1	M100089	Spacer for feedcan
18	2	M100102	Steering cylinder stroke 160
19	1	M100216	Labels for Feeder
20	1	M100217	Waste tray
21	1	M100219	Brace for feed can



REV	DESCRIPTION	DATE	APPROVED
A	Made	28-06-2013	KC

REVISION HISTORY

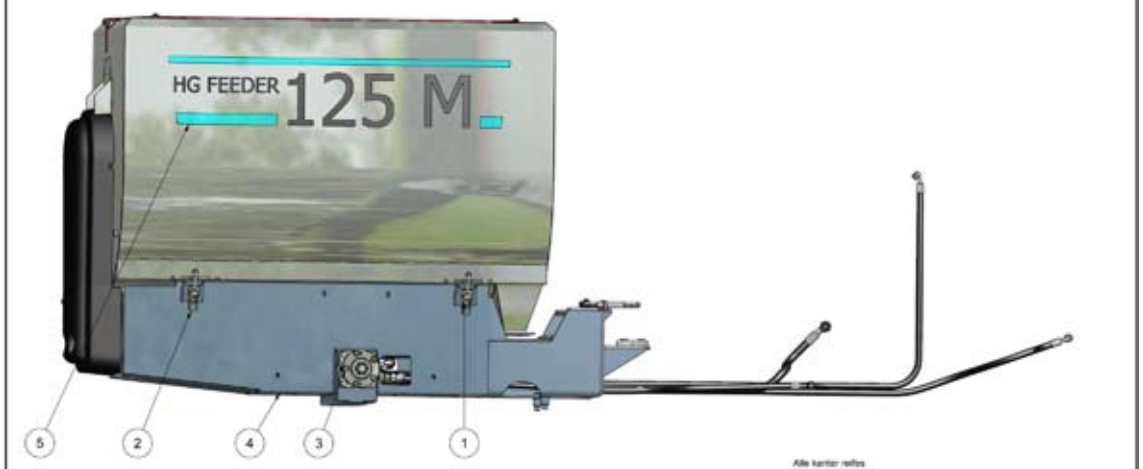
Base module 125M

M100347

DS/ISO 2768-m | A3 | No | 1:12 | 1:/1

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	20405010	Hexagon countersunk M5x10 FZB
2	2	425944	Latch clamp 703HL
3	10	479910	Wheel nut M12x1,5 NV22 60°FZB
4	1	M100103	1200 Rear assembly 7
5	2	M100148	HG Feeder 125 M



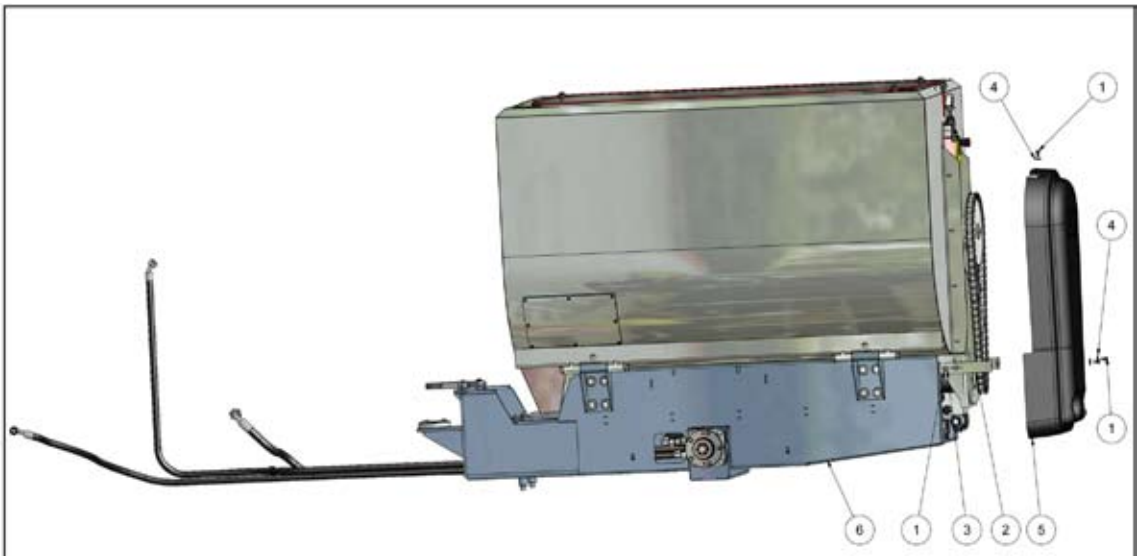
REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12.2011	KC
B	Part List updated	27-06-2013	KC

REVISION HISTORY

1200 Container unit

250075

DS/ISO 2768-m | A3 | No | 1:10 | 1:/1

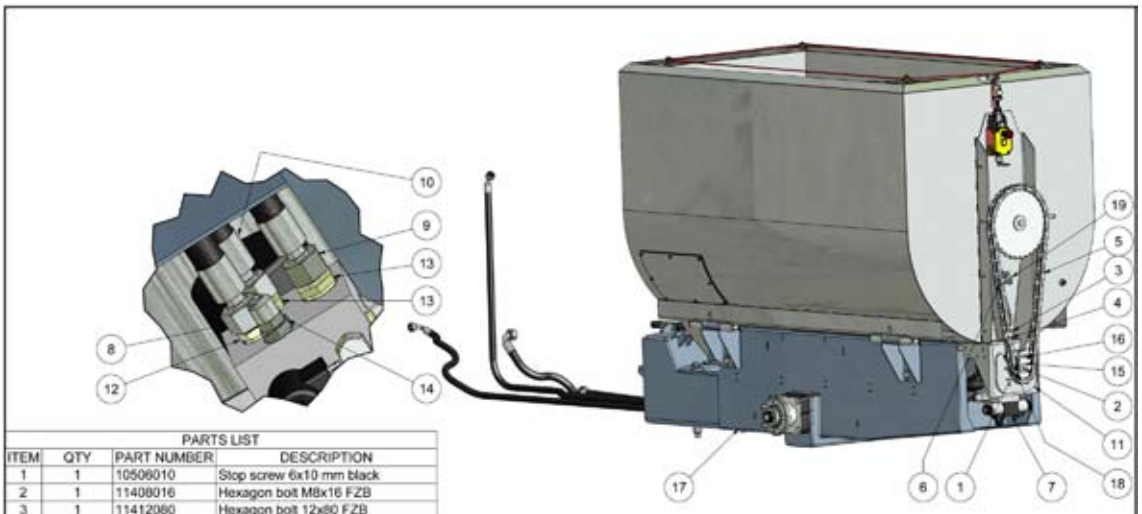


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	7	11408016	Hexagon bolt M8x16 FZB
2	2	250082	Brace for chain cover
3	4	82108000	Washer M8 FZB
4	3	82608000	Washer ø8x24x2 DIN9021A
5	1	M100023	Chain cover
6	1	M100098	1200 Rear assembly 6

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC

Break all edges

1 : 10 | DS/ISO 2768-m | A3 | No | 1 /1 | M100103 | 1200 Rear assembly 7



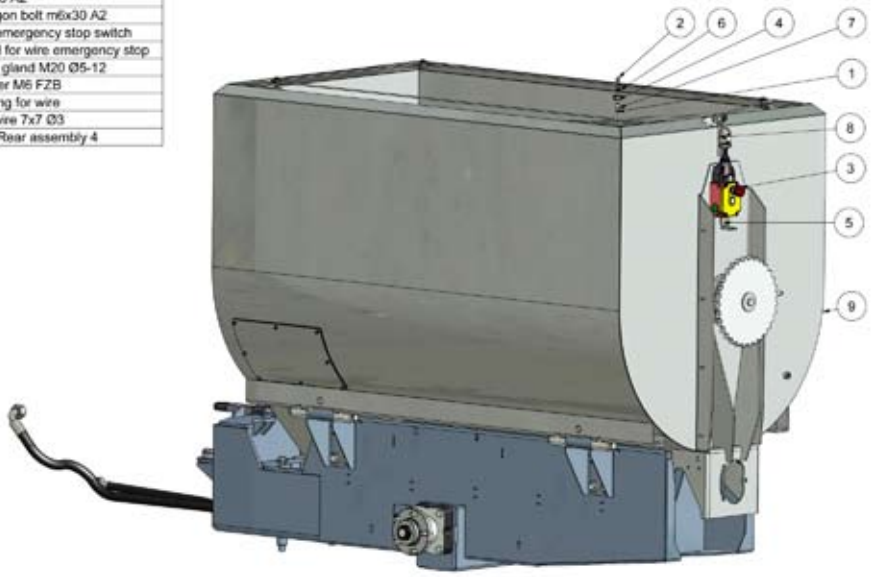
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	10506010	Stop screw 6x10 mm black
2	1	11408016	Hexagon bolt M8x16 FZB
3	1	11412080	Hexagon bolt 12x80 FZB
4	1	1512000	Nut M12 FZB
5	1,700 m	190580	Rolerchain 16B L=1625.6
6	1	190582	Chain connection link 16B 25.4
7	1	250126	Motor assembly for mixer
8	1	250224	Hydraulic hose no 13
9	1	250231	Hydraulic hose no 20
10	1	250232	Hydraulic hose no 21
11	1	25416	Container sheet 11
12	1	477117	Male stud 15L 3/8"
13	2	477120	Male stud Ø15-L 1/2" DM
14	1	477229	Male test nipple 3/8" BSP
15	1	4809335	Washer type SRKB ø9x35x3
16	1	M100037	Sprocket Z-11 1inch Ø25
17	1	M100097	1200 Rear assembly 5
18	1	M100099	Spacer for sprocket
19	1	M100412	Half chain link 16B

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC
B	Part List updated	27-06-2013	KC

Break all edges

1 : 10 | DS/ISO 2768-m | A3 | No | 1 /1 | M100098 | 1200 Rear assembly 6

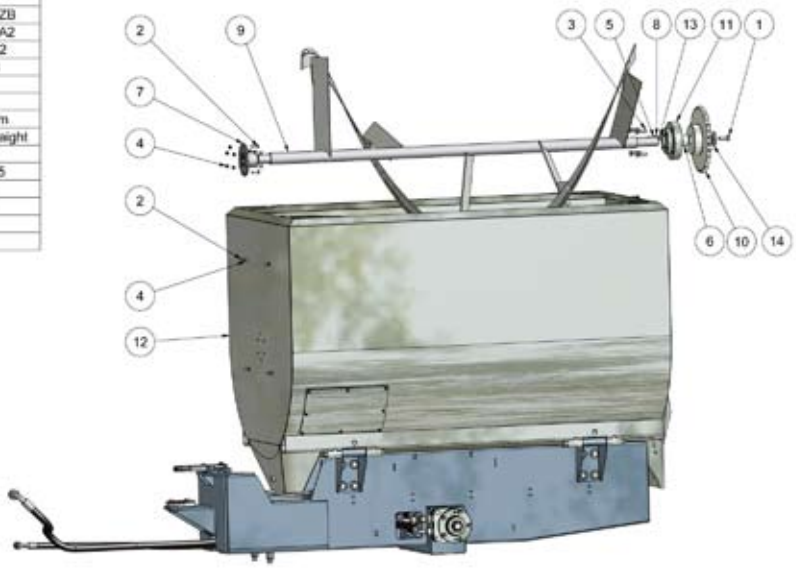
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	12606000	Nut M6 A2
2	6	12906030	Hexagon bolt m6x30 A2
3	1	425934	Wire emergency stop switch
4	6	430465	Wheel for wire emergency stop
5	1	600455	Cabel gland M20 Ø5-12
6	6	82106000	Washer M6 FZB
7	6	M100038	Bushing for wire
8	4,5 m	M100039	Inox wire 7x7 Ø3
9	1	M100094	1200 Rear assembly 4



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC
B	Part List updated	27-06-2013	KC

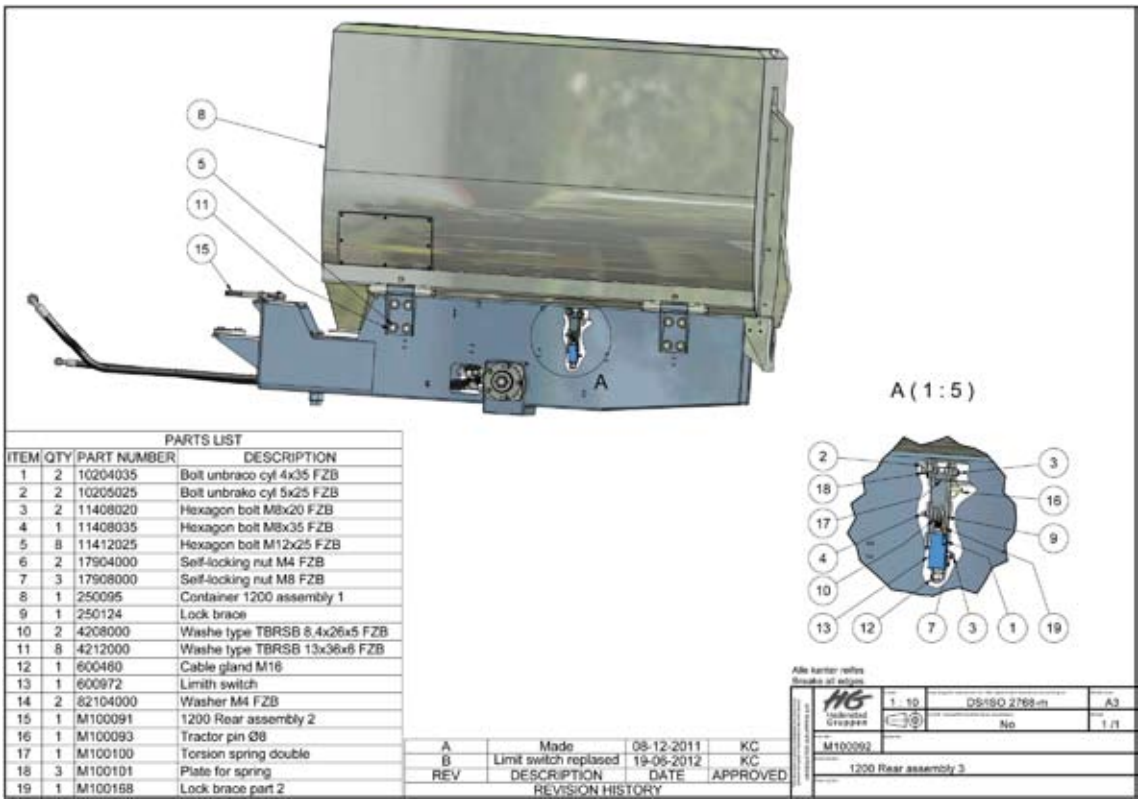
1 : 6	DS/ISO 2768-m	A3	
	No	1 /1	
M100097			
1200 Rear assembly 5			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11412035	Hexagon bolt M12x35 FZB
2	10	12908025	Hexagon bolt m8 x 25 - A2
3	4	12912035	Hexagon bolt M12x35 A2
4	10	17908000	Self-locking nut M8 FZB
5	1	197044	Key 10x8x30
6	1	250088	Bushing for worm
7	1	250172	Hub assembly 2 for worm
8	1	426384	Grease fitting M10x1 straight
9	1	M100035	Mixer for 1200-1600
10	1	M100036	Sprocket Z-32 1inch Ø35
11	1	M100044	Hub complete for mixer
12	1	M100092	1200 Rear assembly 3
13	1	M100095	Thread pipe
14	1	M100096	Washer for sprocket



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	18-12-2011	KC

1 : 11	DS/ISO 2768-m	A3	
	No	1 /1	
M100094			
1200 Rear assembly 4			



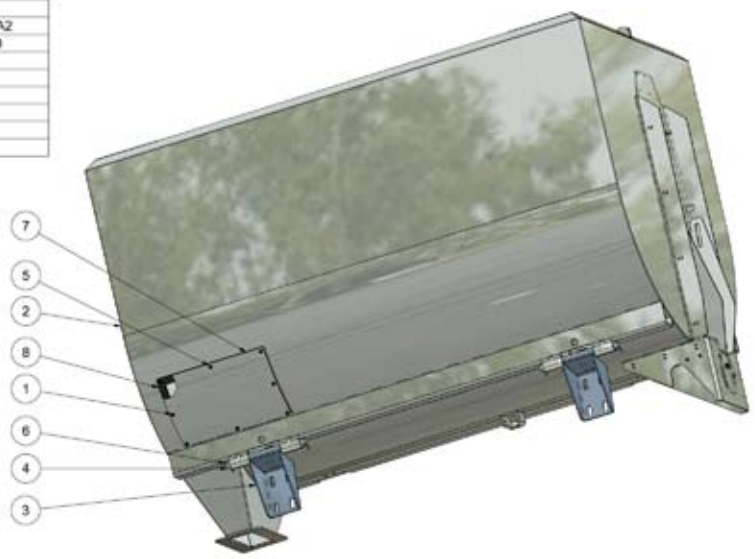
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10204035	Bolt unbrako cyl 4x35 FZB
2	2	10205025	Bolt unbrako cyl 5x25 FZB
3	2	11408020	Hexagon bolt M8x20 FZB
4	1	11408035	Hexagon bolt M8x35 FZB
5	8	11412025	Hexagon bolt M12x25 FZB
6	2	17904000	Self-locking nut M4 FZB
7	3	17908000	Self-locking nut M8 FZB
8	1	250095	Container 1200 assembly 1
9	1	250124	Lock brace
10	2	4208000	Washe type TBRSB 8.4x26x5 FZB
11	8	4212000	Washe type TBRSB 13x36x6 FZB
12	1	600460	Cable gland M16
13	1	600972	Limith switch
14	2	82104000	Washer M4 FZB
15	1	M100091	1200 Rear assembly 2
16	1	M100093	Tractor pin Ø8
17	1	M100100	Torsion spring double
18	3	M100101	Plate for spring
19	1	M100168	Lock brace part 2

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC
B	Limit switch replased	19-06-2012	KC

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen	1 : 10	DS/ISO 2768-m	A3
		No	1 /1
M100092			
1200 Rear assembly 3			

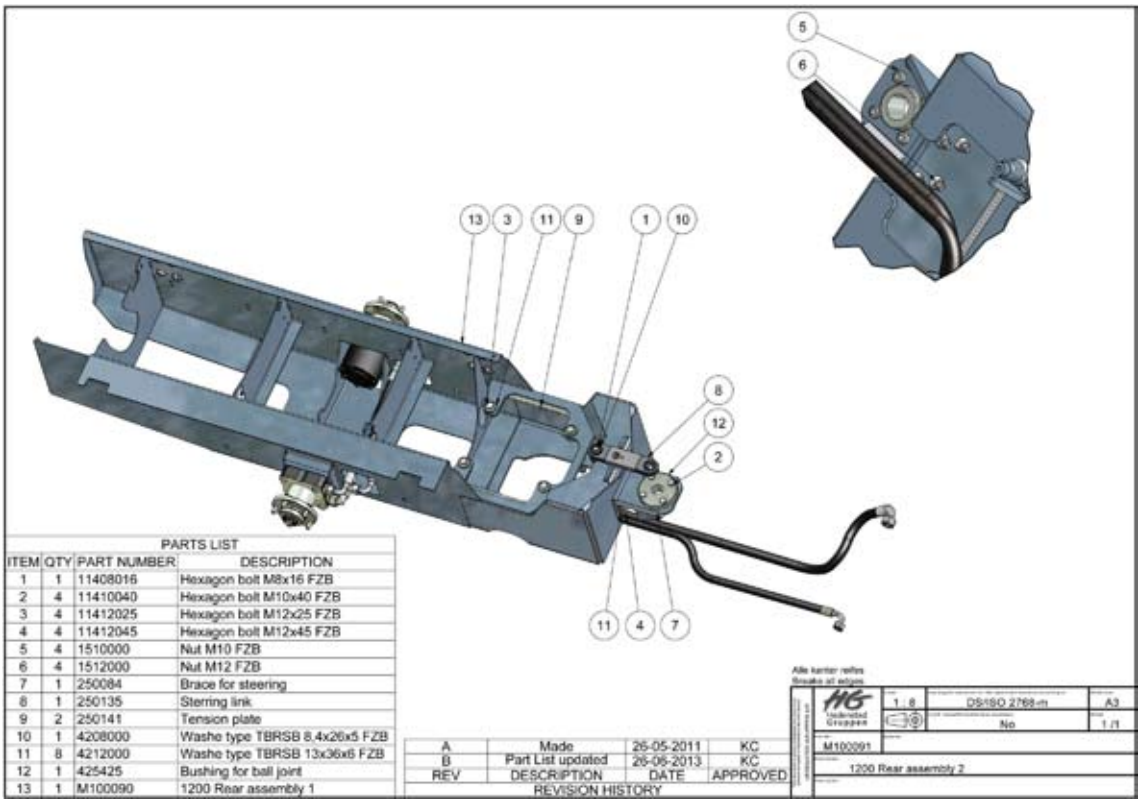
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	19905000	Self-locking nut M5 Inox A2
2	1	250096	Container for feeder 1200
3	2	250114	Hinge for container
4	2	250140	Shaft for hinge
5	8	81805000	Washer M5 Inox A2
6	4	89404036	Cotter pin Ø4x36 FZB
7	1	M100027	Hatch for feed container
8	1	M10135	Gasket for hatch



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	12-12-2011	KC

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen	1 : 6	DS/ISO 2768-m	A3
		No	1 /1
250095			
Container 1200 assembly 1			

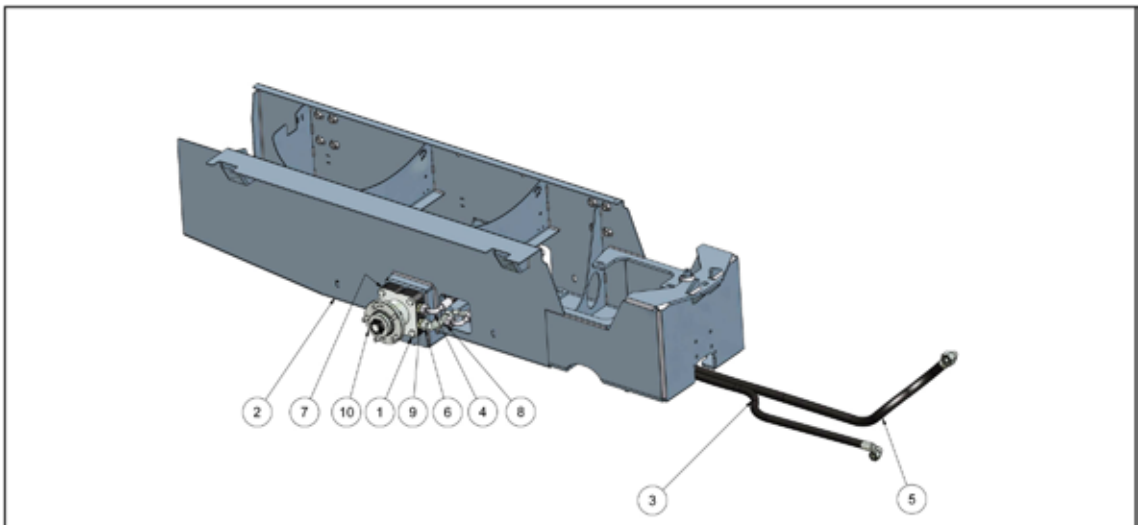


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11408016	Hexagon bolt M8x16 FZB
2	4	11410040	Hexagon bolt M10x40 FZB
3	4	11412025	Hexagon bolt M12x25 FZB
4	4	11412045	Hexagon bolt M12x45 FZB
5	4	1510000	Nut M10 FZB
6	4	1512000	Nut M12 FZB
7	1	250084	Brace for steering
8	1	250135	Sterring link
9	2	250141	Tension plate
10	1	4208000	Washe type TBRSB 8.4x26x5 FZB
11	8	4212000	Washe type TBRSB 13x36x6 FZB
12	1	425425	Bushing for ball joint
13	1	M100090	1200 Rear assembly 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	26-05-2011	KC
B	Part List updated	26-06-2013	KC

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen	1 : 8	DS/ISO 2768-m	A3
		No	1 /1
M100091			
1200 Rear assembly 2			



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	11412055	Hexagon bolt 12 x 55 FZB
2	1	250169	1200 Rear frame
3	1	250225	Hydraulic hose no 14
4	2	250226	Hydraulic hose no 15
5	1	250230	Hydraulic hose no 19
6	2	424048	Adjustible elbow 15L DM
7	2	430105	Delta 252ccm wheelmotor
8	2	477072	Adjustible tee SL15 L
9	4	477120	Male stud Ø15-L 1/2" DM
10	2	M100041	Wheel hub assembly slim

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	08-12-2011	KC
B	Part List updated	26-06-2013	KC

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen	1 : 8	DS/ISO 2768-m	A3
		No	1 /1
M100090			
1200 Rear assembly 1			

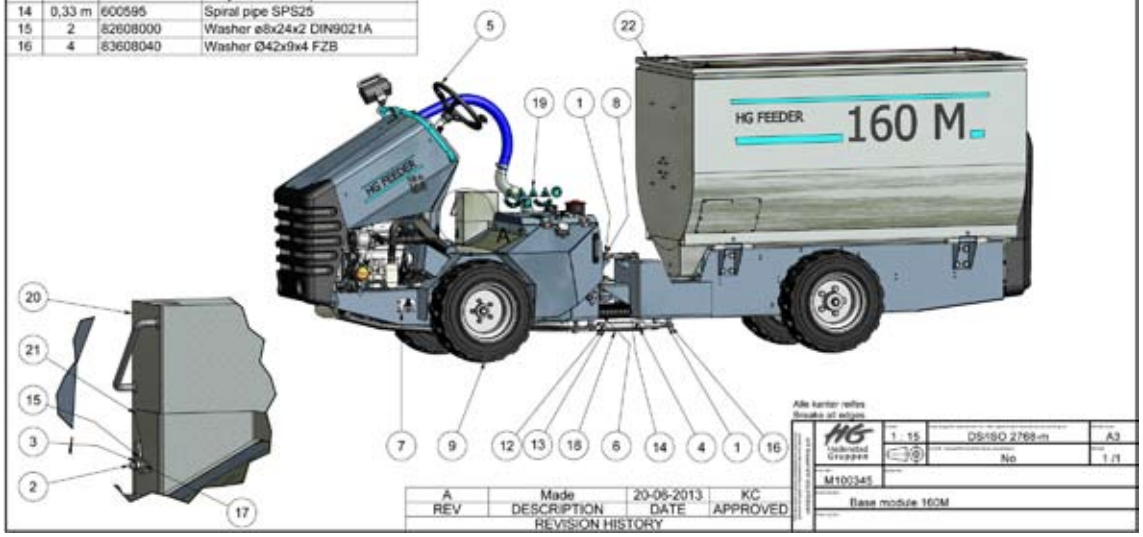
11.5 Spare parts appendice: Feeder 160 M

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	5	11408016	Hexagon bolt M8x16 FZB
2	1	12908025	Hexagon bolt m8 x 25 - A2
3	1	17908000	Self-locking nut M8 FZB
4	2	216762	Filter 3/8" bsp
5	1	250076	Pulling unit
6	0,4 m	250210	Spiral pvc inv. ø44
7	1	30053	ID plate Feeder 160M
8	1	4208000	Washe type TBRSB 8,4x26x5 FZB
9	2	474780	Rearwheel 23X8,50-12-6 TI-Trac
10	6,0 l	476705	Engine oil Q8 T520 15W-40
11	40,0 l	476721	Hydraulic oil Q8 handel 46
12	4	477163	Bopnded seal washer 3/8"
13	2	477222	Banjo bolt 3/8" bsp
14	0,33 m	600595	Spiral pipe SPS25
15	2	82608000	Washer ø8x24x2 DIN9021A
16	4	83608040	Washer Ø42x9x4 FZB

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
17	1	M100089	Spacer for feedcan
18	2	M100102	Steering cylinder stroke 160
19	1	M100216	Labels for Feeder
20	1	M100217	Waste tray
21	1	M100219	Brace for feed can
22	1	M100280	160M Container unit



REV	DESCRIPTION	DATE	APPROVED
A	Made	20-06-2013	KC

REVISION HISTORY

Alle kanter rulles Breake all edges	HG Hedensted Gruppen	1 : 15	DS/ISO 2768-m
		No	A3
	M100345		1 /1
	Base module 160M		

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	20405010	Hexagon countersunk M5x10 FZB
2	2	425944	Latch clamp 703HL
3	1	M100279	160M Rear assembly 8
4	2	M100281	HG Feeder 160M

REV	DESCRIPTION	DATE	APPROVED
A	Made	26-10-2012	KC

REVISION HISTORY

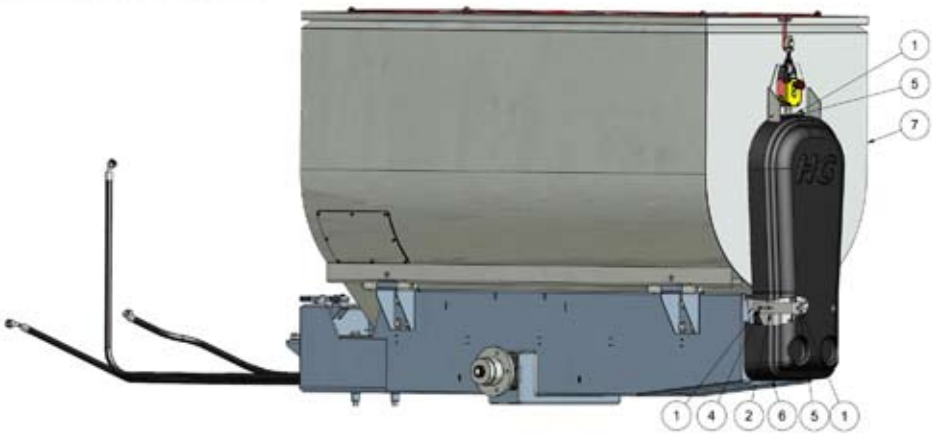
Alle kanter rulles Breake all edges	HG Hedensted Gruppen	1 : 10	DS/ISO 2768-m
		No	A3
	M100280		1 /1
	160M Container unit		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	10	21014025	Hexagon bolt 14x1,5x25 FZB
2	10	4814335	Washer Type SRKB ø14x35x3
3	2	M100265	Tractor wheel 23x8,5
4	1	M100278	160M Rear assembly 7

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	26-10-2012	KC

1 : 10	DS/ISO 2768-m	A3	
	No	1 /1	
M100279			
160M Rear assembly 8			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	7	11408016	Hexagon bolt M8x16 FZB
2	2	250082	Brace for chain cover
4	4	82108000	Washer M8 FZB
5	3	826-08-000	Washer ø8x24x2 DIN9021A
6	1	M100023	Chain cover
7	1	M100277	160M Rear assembly 6

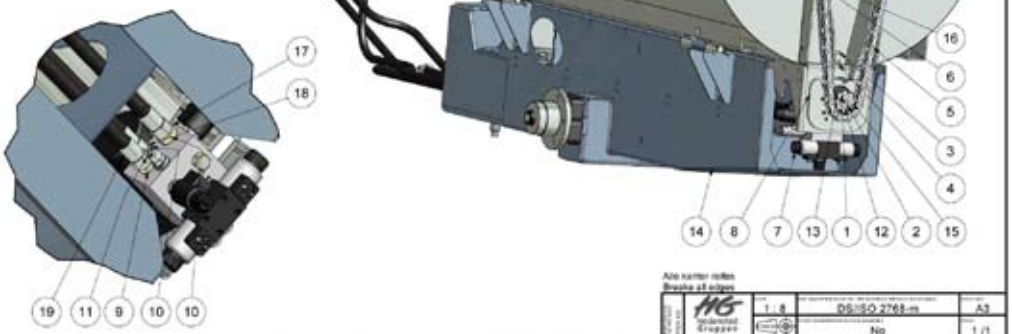


REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	26-10-2012	KC

1 : 10	DS/ISO 2768-m	A3	
	No	1 /1	
M100279			
160M Rear assembly 7			

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	10506010	Stop screw 6x10 mm black
2	1	11408016	Hexagon bolt M8x16 FZB
3	1	11412080	Hexagon bolt 12x80 FZB
4	1	1512000	Nut M12 FZB
5	1,700 m	190580	Rollerchain 16B L=1625.6
6	1	190582	Chain connection link 16B 25,4
7	1	250126	Motor assembly for mixer
8	1	25416	Container sheet 11
9	1	477117	Male stud 15L 3/8"
10	2	477120	Male stud Ø15-L 1/2" DM
11	1	477229	Male test nipple 3/8" BSP
12	1	4809335	Washer type SRKB ø9x35x3
13	3	M100099	Spacer for sprocket
14	1	M100276	160M Rear assembly 5
15	1	M100352	Sprocket Z8 16B
16	1	M100412	Half chain link 16B
17	1	M100413	Hose Feed pump t valve mix
18	1	M100414	Radiator to valve mix
19	1	M100415	Hose Orbitrol to valve mix



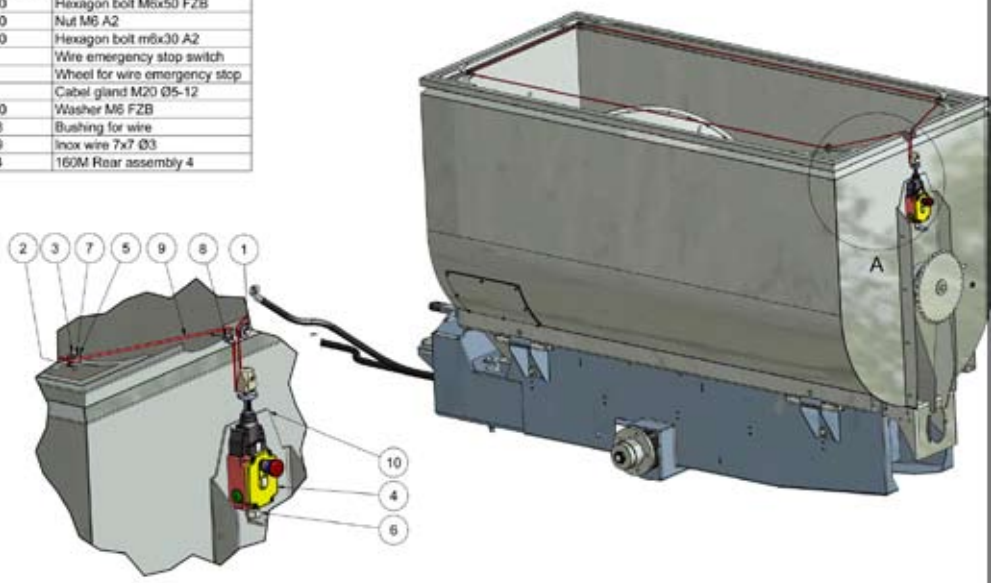
REV	DESCRIPTION	DATE	APPROVED
A	Made	26-10-2012	KC
B	Part list updated	20-06-2013	KC

REVISION HISTORY

Alle kanter rulles Breake all edges	HG Hedensted Gruppen	1 : 8	DS/ISO 2768-m
		No	A3
			1 /1
	M100277		
	160M Rear assembly 6		

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	11406050	Hexagon bolt M6x50 FZB
2	6	12606000	Nut M6 A2
3	4	12906030	Hexagon bolt m6x30 A2
4	1	425934	Wire emergency stop switch
5	6	430465	Wheel for wire emergency stop
6	1	600455	Cabel gland M20 Ø5-12
7	6	82106000	Washer M6 FZB
8	6	M100038	Bushing for wire
9	5,5 m	M100039	Inox wire 7x7 Ø3
10	1	M100274	160M Rear assembly 4

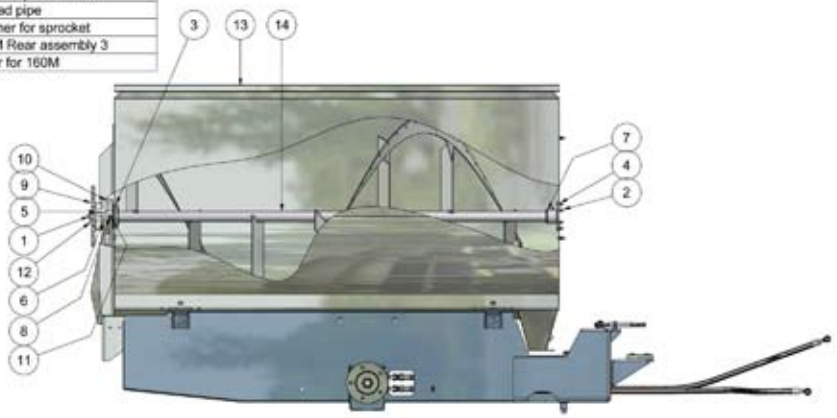


REV	DESCRIPTION	DATE	APPROVED
A	Made	26-10-2012	KC
B	Part List Updated	19-06-2013	KC

REVISION HISTORY

Alle kanter rulles Breake all edges	HG Hedensted Gruppen	1 : 10	DS/ISO 2768-m
		No	A3
			1 /1
	M100278		
	160M Rear assembly 5		

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11412035	Hexagon bolt M12x35 FZB
2	10	12908025	Hexagon bolt m8 x 25 - A2
3	4	12912035	Hexagon bolt M12x35 A2
4	10	17908000	Self-locking nut M8 FZB
5	1	197044	Key 10x8x30
6	1	250088	Bushing for worm
7	1	250172	Hub assembly 2 for worm
8	1	426384	Grease fitting M10x1 straight
9	1	M100036	Sprocket Z-32 1inch Ø35
10	1	M100044	Hub complete for mixer
11	1	M100095	Thread pipe
12	1	M100096	Washer for sprocket
13	1	M100271	160M Rear assembly 3
14	1	M100275	Mixer for 160M

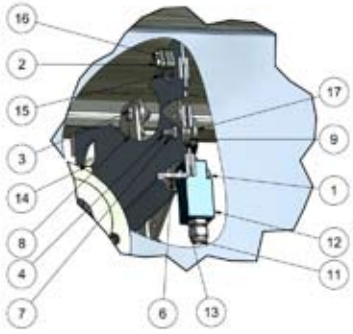


REV	DESCRIPTION	DATE	APPROVED
A	Made	25-10-2012	KC

REVISION HISTORY

1 : 12	DS/ISO 2768-m		A3
	No		1 /1
M100274			
160M Rear assembly 4			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10204035	Bolt unbraco cyl 4x35 FZB
2	2	10205025	Bolt unbrako cyl 5x25 FZB
3	2	11408020	Hexagon bolt M8x20 FZB
4	1	11408035	Hexagon bolt M8x35 FZB
5	8	11412025	Hexagon bolt M12x25 FZB
6	2	17904000	Self-locking nut M4 FZB
7	3	17908000	Self-locking nut M8 FZB
8	1	250124	Lock brace
9	2	4208000	Washe type TBRSB 8,4x26x5 FZB
10	8	4212000	Washe type TBRSB 13x36x6 FZB
11	1	600460	Cable gland M16
12	1	600972	Limith switch
13	2	82104000	Washer M4 FZB
14	1	M100093	Tractor pin Ø8
15	1	M100100	Torsion spring double
16	3	M100101	Plate for spring
17	1	M100168	Lock brace part 2
18	1	M100270	160M Rear assembly 2
19	1	M100272	Container 160M assembly 1

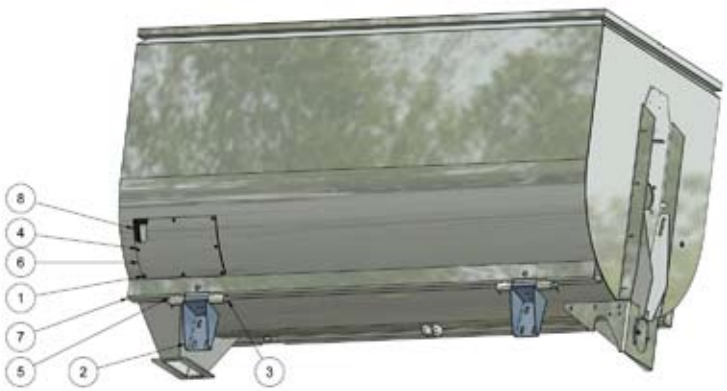


REV	DESCRIPTION	DATE	APPROVED
A	Made	25-10-2012	KC

REVISION HISTORY

1 : 12	DS/ISO 2768-m		A3
	No		1 /1
M100271			
160M Rear assembly 3			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	19905000	Self-locking nut M5 Inox A2
2	2	250114	Hinge for container
3	2	250140	Shaft for hinge
4	8	81805000	Washer M5 Inox A2
5	4	89404036	Cotter pin Ø4x36 FZB
6	1	M100027	Hatch for feed container
7	1	M100273	Container for feeder 160M
8	1	M10135	Gasket for hatch



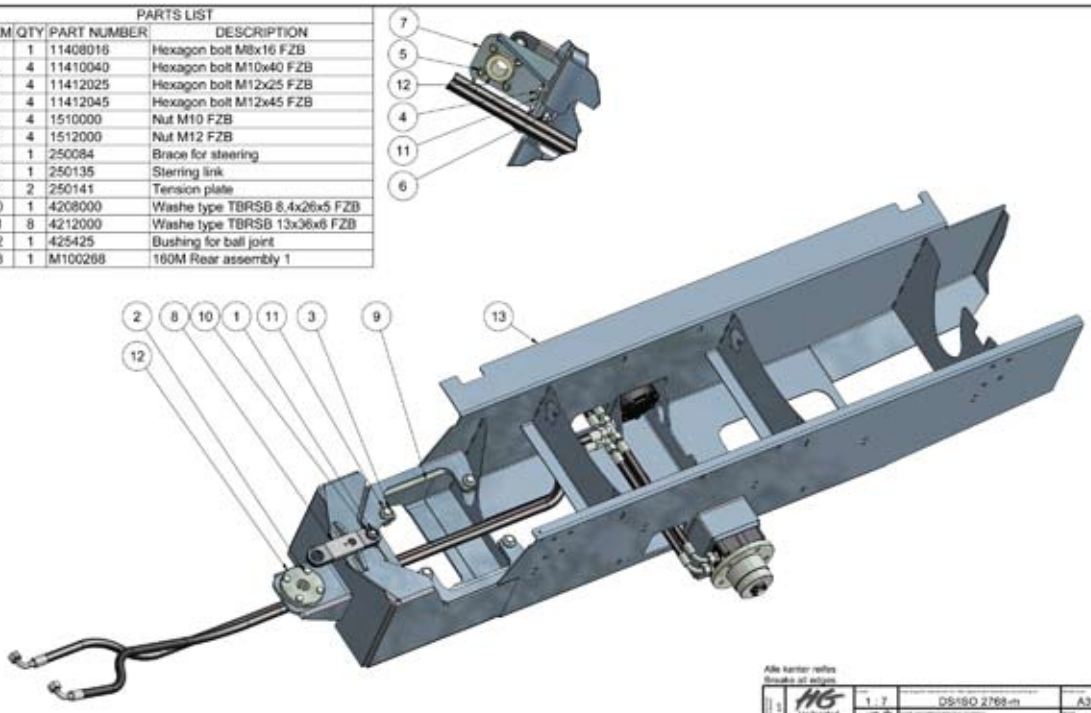
REV	DESCRIPTION	DATE	APPROVED
A	Made	25-10-2012	KC

REVISION HISTORY

Alle kanter rettes
Break all edges

HG Hedensted Gruppen	1 : 10	DS/ISO 2768-m	A3
		No	1 /1
M100272			
Container 160M assembly 1			

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11408016	Hexagon bolt M8x16 FZB
2	4	11410040	Hexagon bolt M10x40 FZB
3	4	11412025	Hexagon bolt M12x25 FZB
4	4	11412045	Hexagon bolt M12x45 FZB
5	4	1510000	Nut M10 FZB
6	4	1512000	Nut M12 FZB
7	1	250084	Brace for steering
8	1	250135	Steering link
9	2	250141	Tension plate
10	1	4208000	Washe type TBRSB 8,4x26x5 FZB
11	8	4212000	Washe type TBRSB 13x36x6 FZB
12	1	425425	Bushing for ball joint
13	1	M100268	160M Rear assembly 1

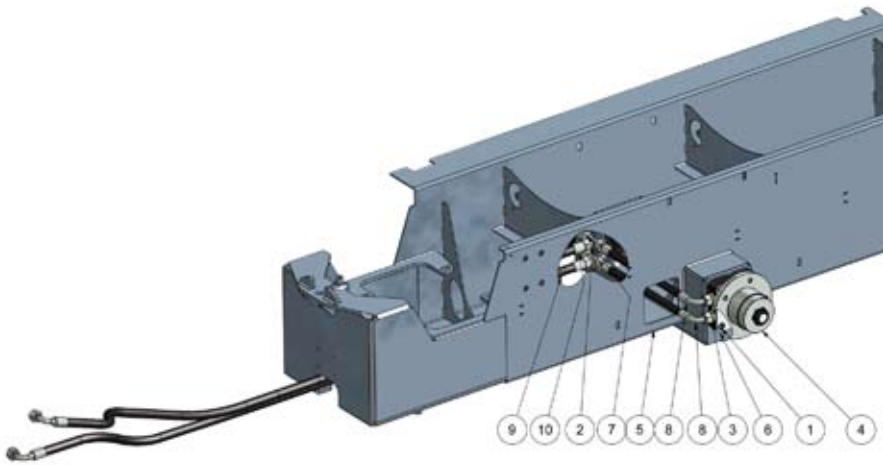


REV	DESCRIPTION	DATE	APPROVED
A	Made	25-10-2012	KC

REVISION HISTORY

Alle kanter rettes
Break all edges

HG Hedensted Gruppen	1 : 7	DS/ISO 2768-m	A3
		No	1 /1
M100270			
160M Rear assembly 2			



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	10212050	Bolt unbraco cyl 12x50 FZB
2	2	424162	Equal tee 15-L M22x1,5
3	4	477128	Male stud 12L 1/2"
4	2	M100266	Wheel hub F160M
5	1	M100267	Rear frame 160M
6	2	M100269	Delta 252ccm wheel motor
7	2	M100408	Hose rear right wheel motor
8	2	M100409	Hose rear left wheel motor
9	1	M100410	Hydraulic hose feeder 160
10	1	M100411	Hydraulic hose feeder 160

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	25-10-2012	KC
B	Part List updated	19-06-2013	KC

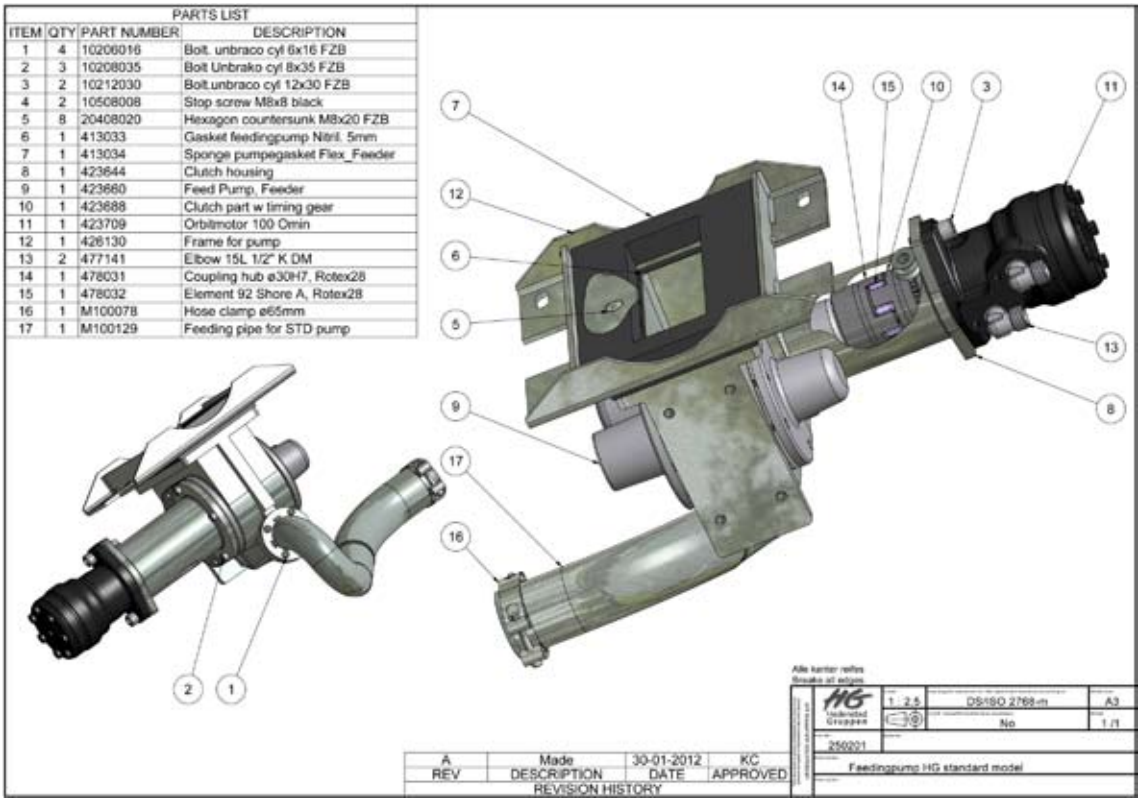
Alle kanter rettes
Breake all edges

HG Hedensted Gruppen	1 : 7	DS/ISO 2768-m	A3
		No	1 /1
M100268			
160M Rear assembly 1			

11.6 Extras: Feeder 100/125/160 M

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	10206016	Bolt. unbraco cyl 6x16 FZB
2	3	10208035	Bolt Unbrako cyl 8x35 FZB
3	2	10212030	Bolt unbraco cyl 12x30 FZB
4	2	10508008	Stop screw M8x8 black
5	8	20408020	Hexagon countersunk M8x20 FZB
6	1	413033	Gasket feedingpump Nitril. 5mm
7	1	413034	Sponge pumpegasket Flex_Feeder
8	1	423644	Clutch housing
9	1	423660	Feed Pump, Feeder
10	1	423688	Clutch part w timing gear
11	1	423709	Orbitmotor 100 Omin
12	1	426130	Frame for pump
13	2	477141	Elbow 15L 1/2" K DM
14	1	478031	Coupling hub ø30H7, Rotex28
15	1	478032	Element 92 Shore A, Rotex28
16	1	M100078	Hose clamp ø65mm
17	1	M100129	Feeding pipe for STD pump



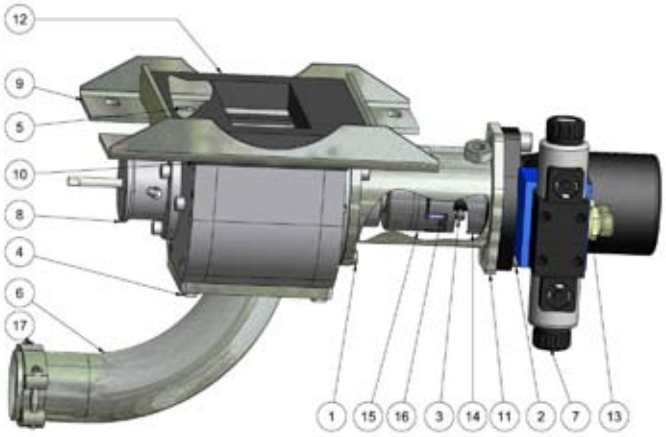
REV	DESCRIPTION	DATE	APPROVED
A	Made	30-01-2012	KC

REVISION HISTORY

DS/ISO 2768-m | A3 | No | 1:1 | 250201 | Feedingpump HG standard model

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	10208025	Bolt Unbrako Cyl. 8x25 FZB
2	2	10212025	Bolt.unbraco cyl 12x25 FZB
3	2	10508008	Stop screw M8x8 black
4	6	11408020	Hexagon bolt M8x20 FZB
5	6	20408020	Hexagon countersunk M8x20 FZB
6	1	250083	Brace for feeding hose
7	1	250171	Motor assembly for feed pump
8	1	400012	HG Feeding pump universal
9	1	400025	Pump frame for F900-1200 new
10	1	400035	Rubbergasket for frame 5mm
11	1	400110	Clutch housing for feeder
12	1	413034	Sponge pumpegasket Flex_Feeder
13	2	477120	Male stud Ø15-L 1/2" DM
14	1	478030	Hub 1a ø25H7xDS n+s fRotex 28
15	1	478031	Coupling hub ø30H7, Rotex28
16	1	478032	Element 92 Shore A, Rotex28
17	1	M100078	Hose clamp ø65mm

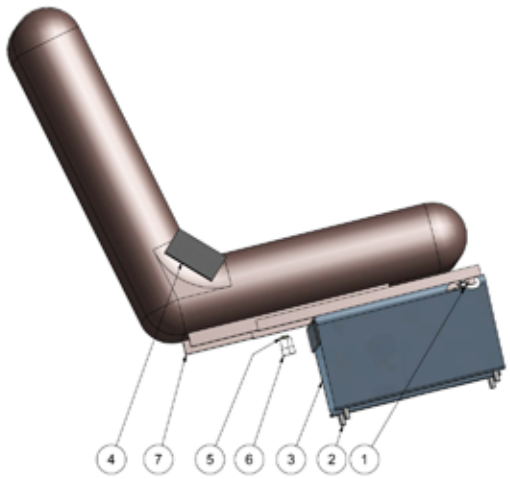


REV	DESCRIPTION	DATE	APPROVED
A	Made	30-01-2012	KC

REVISION HISTORY

DS/ISO 2768-m | A3 | No | 1:1 | 250203 | Feedingpump HG XL hardnedsteel

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	11408012	Hexagon bolt M8x12 FZB
2	4	11408020	Hexagon bolt M8x20 FZB
3	1	250139	Seat console
4	1	250250	Safety belt for Std seat
5	2	99852226	Flat crimp with lock
6	1	99855008	Multi plug female
7	1	M100108	Standard seat for Feeder



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	02-07-2013	KC

Alle kanter rettes
Breake all edges

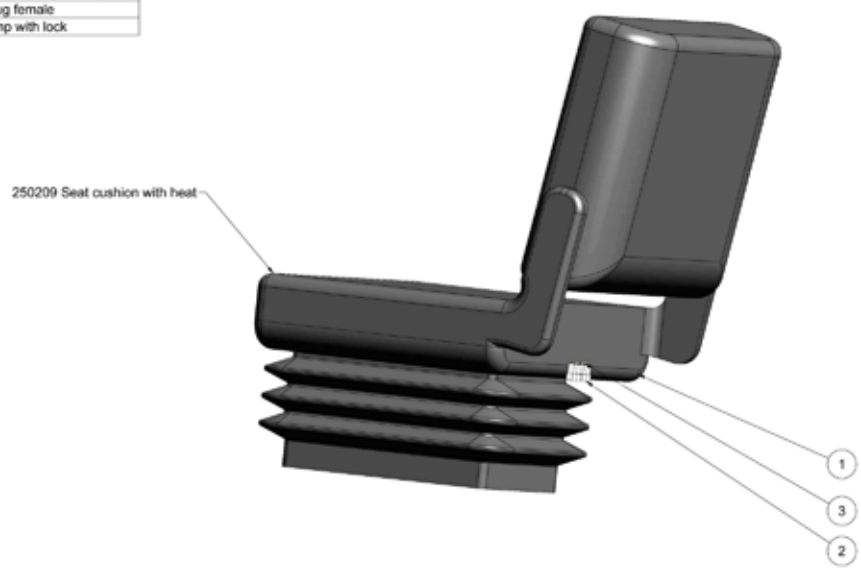
Hedensted Gruppen | 1 : 4 | DS/ISO 2768-m | A3 | No | 1 /1

250204

Seat kit standard

Feeder

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	M100127	Seat with Air suspension
2	2	99855008	Multi plug female
3	4	99852226	Flat crimp with lock



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	Made	02-07-2013	KC

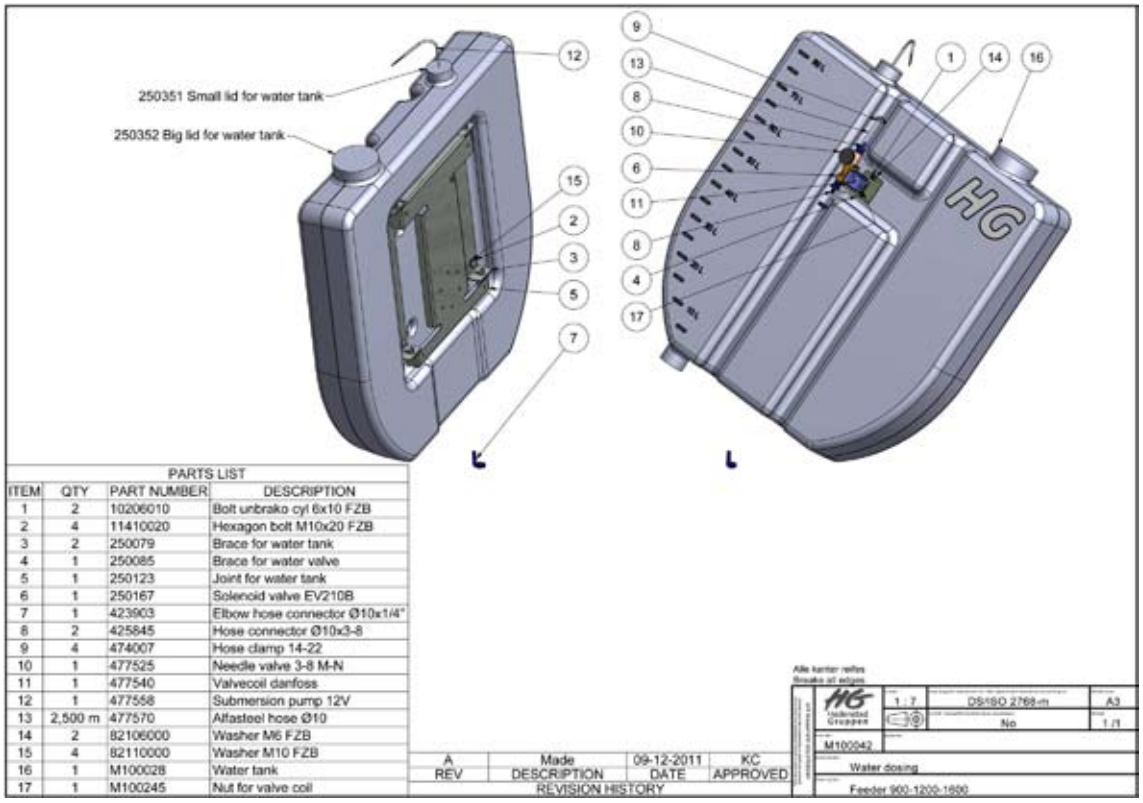
Alle kanter rettes
Breake all edges

Hedensted Gruppen | 1 : 4 | DS/ISO 2768-m | A3 | No | 1 /1

250206

Seat kit air suspension

Feeder



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10206010	Bolt unbrako cyl 6x10 FZB
2	4	11410020	Hexagon bolt M10x20 FZB
3	2	250079	Brace for water tank
4	1	250085	Brace for water valve
5	1	250123	Joint for water tank
6	1	250167	Solenoid valve EV210B
7	1	423903	Elbow hose connector Ø10x1/4"
8	2	425845	Hose connector Ø10x3-8
9	4	474007	Hose clamp 14-22
10	1	477525	Needle valve 3-8 M-N
11	1	477540	Valvecoil danfoss
12	1	477558	Submersion pump 12V
13	2,500 m	477570	Alfasteel hose Ø10
14	2	82106000	Washer M6 FZB
15	4	82110000	Washer M10 FZB
16	1	M100028	Water tank
17	1	M100245	Nut for valve coil

REV	DESCRIPTION	DATE	APPROVED
A	Made	09-12-2011	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen | 1 : 7 | DS/ISO 2768-m | A3 | No | 1 /1

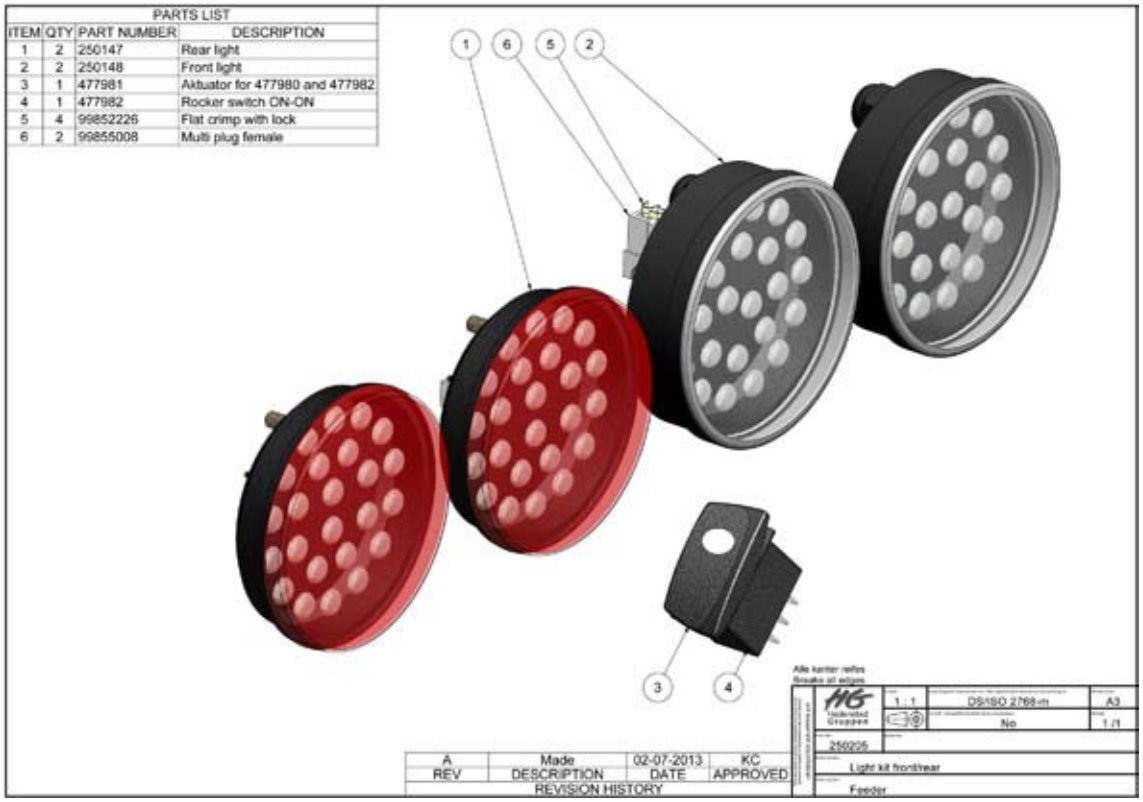
M100042

Water dosing

Feeder 900-1200-1600

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	250147	Rear light
2	2	250148	Front light
3	1	477981	Aktuator for 477980 and 477982
4	1	477982	Rocker switch ON-ON
5	4	99852226	Flat crimp with lock
6	2	99855008	Multi plug female



REV	DESCRIPTION	DATE	APPROVED
A	Made	02-07-2013	KC

REVISION HISTORY

Alle kanter rettes
Breake all edges

HG Hedensted Gruppen | 1 : 1 | DS/ISO 2768-m | A3 | No | 1 /1

250205

Light kit front/rear

Feeder

12 EU Declaration of conformity

Hedensted Gruppen A/S
Vejlevej 15
DK-8722 Hedensted
Tel. (+45) 75 89 12 44
Fax (+45) 75 89 11 80
www.hedensted-gruppen.dk

hereby declares that:

HG Feeder 100 M
HG item no. 250066

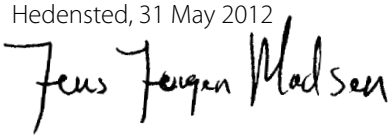
conforms with

The Machine Safety Directive 2006/42/EC

under application of the following harmonising standards:

DS/EN 12100-1:2005
DS/EN 13857:2008

Hedensted, 31 May 2012



Jens Jørgen Madsen
CEO

Hedensted Gruppen A/S
Vejlevej 15
DK-8722 Hedensted
Tel. (+45) 75 89 12 44
Fax (+45) 75 89 11 80
www.hedensted-gruppen.dk

hereby declares that:

HG Feeder 125 M
HG item no. 250068

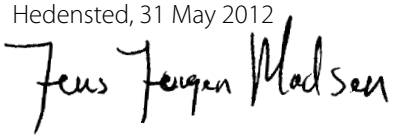
conforms with

The Machine Safety Directive 2006/42/EC

under application of the following harmonising standards:

DS/EN 12100-1:2005
DS/EN 13857:2008

Hedensted, 31 May 2012



Jens Jørgen Madsen
CEO

Hedensted Gruppen A/S
Vejlevej 15
DK-8722 Hedensted
Tel. (+45) 75 89 12 44
Fax (+45) 75 89 11 80
www.hedensted-gruppen.dk

hereby declares that:

HG Feeder 160 M
HG item no. 250070

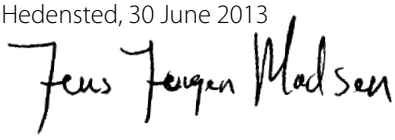
conforms with

The Machine Safety Directive 2006/42/EC

under application of the following harmonising standards:

DS/EN 12100-1:2005
DS/EN 13857:2008

Hedensted, 30 June 2013



Jens Jørgen Madsen
CEO

NOTES

HEDENSTED GRUPPEN

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Phone (+45) 75 89 12 44
Fax (+45) 75 89 11 80
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